Administration Report
of the Municipal Commission
for the City of Bombay
1901-02 and 1902-03

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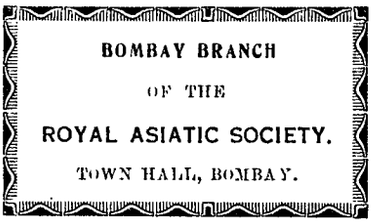

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ADMINISTRATION REPORT

OF

THE MUNICIPAL COMMISSIONER

FOR THE

CITY OF BOMBAY

FOR THE YEAR 1901-1902.

133755

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Review by the Standing Committee of the Administration Report of the Municipal Commissioner for the City of Bombay for the year 1901-1902.

Introductory.

THE office of President of the Corporation was held during the year of report by Mr. Dinsha Edalji Wacha, and that of Chairman of the Standing Committee by Mr. T. W. Cuffe. The Corporation met 75 times and the Standing Committee of the Corporation 52 times. Of other Committees of the Corporation, there were 105 meetings; and sub-committees of the Standing Committee held 42 meetings. These numbers indicate a very considerable demand made by Municipal business on the time of Councillors.

2. In the year of report the Corporation had to lament the death of a valued member, Mr. Ismail Jan Mahomed, L.M. & S., who had been a Councillor since 1895 and had, both in the Corporation and in the Standing Committee, rendered very useful services.

3. Mr. W. L. Harvey, I. C. S., C. I. E., Municipal Commissioner, having proceeded on furlough on the 4th May 1901, Mr. W. D. Sheppard, I. C. S., was appointed to act for him and held office for the remainder of the year. The Report now before the Committee, though submitted by Mr. Harvey, records the events of the administration of his *locum tenens*.

Financial.

4. The year opened with a working cash balance of Rs. 29,83,700, inclusive of Rs. 8,16,938 reserved for renewal of lapsed grants of previous years. The income for the year aggregated Rs. 77,66,729 which, together with the opening balance, brought up the total resources for the year to Rs. 1,07,50,429. Against this the expenditure was Rs. 82,26,457. A deficit of Rs. 4,16,000 had been provided for in the Budget of the year, but the actual excess of expenditure over income was Rs. 4,59,728, and the actual deficit was Rs. 4,49,868 (a sum of Rs. 9,860 having been released from the moneys locked up in reserve stock), leaving a diminished balance at the end of the year of Rs. 25,33,832. Of this balance Rs. 6,00,431-6-1 represented the sum required for the renewal of lapsed grants for 1901-02 and previous years, and Rs. 1,00,000 the minimum balance to be kept under Section 126 (2) (*c*) of the Municipal Act. The actual surplus cash balance was, therefore, only Rs. 18,33,401. Deducting from this the amount (Rs. 15,40,201) of the recoverable advances made for plague and administrative purposes, the actual unhypothecated balance at the close of the year remained at Rs. 2,93,200 only, exclusive of the one lakh required by law.

5. Since excessive surplus balances represent so much money taken from the ratepayers without actual immediate need, it was deemed desirable to work off some of the large balance at the close of the previous year by a reduction of taxation in the year of report. Accordingly the General Tax was reduced from the maximum of 12½ per cent., at which it stood, to 10 per cent., and Town Duties were reduced as shown in the margin. These reductions must be borne in mind in comparing the revenue of the year of report with that of the previous year.

On grain of all sorts per candy—from as. 6 to as. 4.
On Firewood per candy—from as. 2 to anna 1.

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On grain of all sorts per candy—from as. 6 to as. 4.
On Firewood per candy—from as. 2 to anna 1.

The net receipts of the year from all sources aggregated Rs. 77,66,729. This was better than the budget estimate by about Rs. 70,000, though it was a falling off from the previous year's receipts by over 6¼ lakhs of rupees. The chief fall off was in the receipts from General Tax, from Town Duties and from Water Tax and other miscellaneous water works revenue. The first realized Rs. 26,99,571 against Rs. 30,15,618, the second Rs. 8,62,123 against Rs. 11,31,376, and the third Rs. 15,47,120 against Rs. 17,35,634, in the previous year. Eliminating arrear recoveries and allowing for the customary annual expansion of this item of revenue, the diminution in the receipts from General Tax bears fair proportion to the reduction in the amount of the tax : not so the diminution in Town Duty receipts, which are to a large extent due to unexpectedly heavy arrears of refunds having had to be paid. The diminution of water receipts was caused by the discontinuance of the levy of water charges on such Municipal buildings as the Corporation have not the power to let. It is satisfactory to note that the principal sources of Municipal income (including Town Duty) have shown no real falling off, and the Chief Accountant estimates that, allowing for the recovery of the previous year's outstandings, for reduced taxation, and for non-recurring exceptional items of increase and decrease, the results of the year under report show a substantial increase in revenue of over two and a half lakhs of rupees.

7. The expenditure of the year amounted to Rs. 82,26,457 against Rs. 85,84,058 in the previous year. The decrease of over 3½ lakhs was due to three principal reasons, *viz.*, the discontinuance (above noticed) of the levy of water charges in respect of most Municipal properties, the discontinuance of payment of grain compensation to Municipal employés and the lower contract rates for the supply of fodder, &c., for cattle. The decrease would have been still larger were it not for increase in debt charges to the extent of about a lakh and a half of rupees.

8. There was, during the year, a net increase of Rs. 16,12,300 in the Capital debt of the Municipality, the total amount of which at the end of the year stood at Rs. 4,60,17,060. Against this the Sinking Fund investments aggregated Rs. 35,73,861 only, leaving a net debt liability of nearly 4¼ crores of Rupees.

9. The total loan expenditure of the year came to Rs. 11,49,875, out of which Rs. 4,43,616 were spent on plague operations, Rs. 6,34,573 on Sewerage and Drainage Works, Rs. 47,119 on Sanitary and Minor Works, Rs. 18,497 on Roads and Rs. 6,070 on Water Works.

10. The amount shown above as spent on plague operations was less by Rs. 2,36,809 than the amount spent in the previous year. From the commencement of plague in 1896-97 to the 31st March 1902 the enormous sum of Rs. 55,21,354 has been spent by the Municipality on plague operations. Towards it a contribution of only 14,50,000 has been received from Government and the balance of nearly 41 lakhs of Rupees has been left to be borne by the Municipality. An appeal is, however, being made to Government for further assistance.

11. Besides the debt liabilities above mentioned, a further sum of Rs. 4,94,194 is owing to contractors and others for deposits, &c., making the total Municipal liabilities on 31st March 1902 aggregate Rs. 4,65,83,035. Against this there are assets of the nominal value of Rs. 6,19,35,551, made up of Municipal properties (valued at Rs. 5,26,73,508), Reserve Stock (valued at Rs. 7,10,597) and balances, investments, deposits and recoverable advances. The values assigned to Municipal properties and Reserve Stock have, however, not been revised for many years. A revaluation was suggested by the Standing Committee in 1898, and it is noticed with regret that it has not yet been possible to effect it. For the Stores a special officer has now been appointed for purposes of verification and the introduction of a correct system of accounting.

Rates and Taxes.

12. There was again an increase in the number of properties on the Assessment Book, the total 54,176 (against 53,864 of the previous year) being composed of 34,900 buildings, 99 salt-pans and 19,177 lands, including tanks and wells. In 1900-1901 the salt-pans were 146, and the reason for the large decrease in this item when there are increases in the other two items is not apparent: so also the reason for the decrease (from 41,316 to 41,136) in the number of properties assessed to the General Tax, when the number registered was larger. As in the previous year, although a smaller number of properties was assessed, the ratable assessment on them increased from Rs. 2,82,48,729 to Rs. 2,86,41,750. This increase is explained to be due to rise in rents, erection of new buildings and enlargement of existing ones. Exclusive of outstandings of previous years to be collected during the year, the amount of General Tax levied during the year was Rs. 27,41,851, showing a decrease as compared with the previous year's levy of Rs. 4,66,713, for which the reason was the 2 per cent. reduction which was made in the tax. For the same reason the actual collection for the year came to Rs. 27,05,720 when in the previous year it had aggregated Rs. 30,09,087.*

13. The Water Tax levied for the year amounted to Rs. 14,69,646 against Rs. 17,50,013 in the previous year, the decrease of Rs. 2,80,366 being due to the discontinuance of the demand for water used for Municipal purposes. Nearly 8 lakhs of the total levy was for supply of water by meter measurement. Rs. 14,90,325 were collected, against Rs. 17,13,682 in the previous year when Municipal properties were not exempted. If all Municipal properties had been charged in the year of report, about Rs. 4,00,000 more would have been realized.

14. For Halalkhor Tax the demand came to Rs. 7,86,455, against Rs. 7,70,551 in the previous year, and the collection to Rs. 7,95,329 against Rs. 7,19,995.

15. The demand on account of Wheel Tax on private vehicles and animals for the four quarters of the year 1901 was Rs. 1,71,111 against Rs. 1,65,980 in 1900, and Rs. 1,76,170 were collected against Rs. 1,57,778 in the previous year. The 6,108 vehicles taxed in the year included 1,575 bicycles, and one motor car.

16. The smoothness with which the work of assessment and collection was done under the veteran head of the Department, Mr. R. P. Brunton, is evidenced by the fact that there were only 18 appeals to the Chief Judge of the Small Causes Court, of which 3 were dismissed with costs, 13 settled by consent, and only 2 allowed. Mr. Brunton draws attention to the need for revising the Manual of Accounts for his Department.

Town Duty.

17. The lowering of the rates has already been noticed, and is largely accountable for the smaller returns. In some of the dutiable articles, especially grain and sugar, there was a very large falling off of imports, but it was fairly counterbalanced by considerably diminished exports. The gross collection fell from Rs. 30,84,008 to Rs. 21,89,404, but refunds also were necessarily smaller, and the net revenue of Rs. 10,82,246 is less than that of the previous year by only Rs. 1,34,780.†

Engineer's Department.

18. The new works done in the general branch of the Department were mostly of a minor character. In the Special Drainage Branch, various important drainage works were vigorously pushed on. No progress was, however, made

* The figures of collection in this and the next three paragraphs include amounts of outstandings collected.

† The figures in this paragraph differ from the Town Duty figures in para. 5, inasmuch as they show the collections and refunds for the year of report only, without taking account of outstandings.

with the proposed works for the drainage of the lower parts of the City noticed in last year's review. A Bill was introduced in the Bombay Legislative Council for extinguishing all tidal rights and rights of navigation beyond a point north of the Cleveland Bunder, where a proposed channel would cut off all tidal communication with Mahim Bay, but owing to difficulties with the Port Trust the proposed legislation has remained in abeyance, and the Corporation having since decided on an alteration in the alignment of the Channel, no further need for legislation now remains.

19. The Colaba Air-Compressor machinery and the ejectors worked satisfactorily during the year. The new air-compressor at Love Grove was completed and commenced working.

20. In the ordinary drainage branch the street portions of house drainage connections were carried out for 4,132 houses at a total cost of Rs. 1,02,167, and much miscellaneous work was done in the shape of the construction of latrines, urinals, storm-water drains, water-gullies, manholes, &c., &c. The engines and pumps at the Love Grove Pumping Station are reported to have worked satisfactorily, the efficiency of the pumps being slightly higher than in the previous year, and the engines making a total number of revolutions which is stated to be the highest yet recorded by them for a year's work.

21. The various Municipal Water Works were maintained in a state of efficiency. The Tansa and Tulsi Lakes were well replenished by the rainfall, which was 96·15 inches at Tansa, and 93·62 inches at Tulsi. Tansa overflowed on the 8th July and Tulsi on the 9th August. At Vehar the rainfall was only 75·58 inches, and the Lake has not overflowed since 1898. The quantity of water brought into the City daily was, on an average, about 21½ millions of gallons from Tansa, 10 millions of gallons from Vehar and 4½ millions of gallons from Tulsi. The Water Engineer estimates that out of about 35½ million gallons of water drawn daily from Tansa Lake about 14 million gallons daily are lost by evaporation, leakage or discharge at overflow weirs. The evaporation from Vehar in the seven dry months of the year is estimated at 3·2 million gallons and from Tulsi at ·82 million gallons, per diem.

22. During the year there occurred a serious break in the Tansa Duct at mile 22½ near Kalyan, which deprived the City of the Tansa supply for about 6 days, two bursts in the 32″ Vehar main near Kurla, and three bursts on the Tulsi main. All were repaired with the utmost possible expedition. In view of the continued complaints about the bad quality of the Tulsi water, a pipe scraper was passed through the main, with the result that not only was the quality of water improved, but even its quantity was increased, the delivering capacity of the mains having been enhanced by about 12½ per cent.

23. With an increase of 158 in the water connections in the City, the total number for the year stood at 20,552. Of these only about 14 per cent. are metered, and this small number of metered connections brought in more than one-half per cent. of the total water revenue of the year, an anomalous position, the rectification of which has claimed the serious attention of the Municipal authorities for some time past.

24. 2,198 applications for permission to build or rebuild houses were granted during the year against 2,222 in the previous year. 627 prosecutions were issued against house-owners under various sections of the Municipal Act, the largest number (280) being as usual under section 347. 367 notices were issued for removal of unsafe buildings, and were wholly or partly complied with. Nevertheless 30 buildings which had escaped the vigilance of the Department fell. In one of these 4 persons were injured.

25. The street improvement done in the year is represented by 3,390 square yards of land added to streets at a total cost of Rs. 1,06,043. 5,952,127 square feet

of road area was metalled at a cost of Rs. 2,33,647. Rs. 5,420 were spent on planting, fencing, and maintaining road-side trees. The Executive Engineer again draws attention to the need for larger grants for road repairs and road watering if the roads of the city are to be kept in good condition.

26. The decision of the Corporation to purchase the Bombay Tramways and the litigation which followed on it were noticed in last year's review. The litigation still continues, the Tramway Company having obtained leave to file an appeal to the Privy Council against the decision of the Bombay High Court, which was in favour of the Corporation's right to purchase. As a natural consequence of this position of affairs, there was no extension of the Tramway tracks in the city during the year of report.

27. The lighting of the city was done with 3,960 gas lamps, costing Rs. 2,25,108 and 1,715 kerosine oil lamps costing Rs. 32,054. The gas lighting continued to be unsatisfactory, and the Executive Engineer again deplores the omission from the contract with the Bombay Gas Company of the power of levying penalties for bad lights. The electric lighting of the Municipal Offices and the Arthur Crawford Markets cost Rs. 10,549.

28. The Municipal Workshops turned out departmental and private work costing Rs. 1,44,904, at a profit of Rs. 14,434.

29. The inspection, improvement and demolition of insanitary buildings under the Epidemic Diseases Act was proceeded with as usual. 1,433 houses were inspected. Of these 841 were deemed to require improvement, 590 were found incapable of improvement and fit for demolition, most of these being sheds and other structures of a temporary nature; 145 of these were actually demolished. 926 notices were served for house improvement, out of which 750 were complied with. The number of houses declared unfit for human habitation was 44.

Public Gardens and Museum.

30. The Victoria Gardens and the eight other Municipal gardens were kept in good condition throughout the year, their maintenance costing a total sum of Rs. 57,995, of which Rs. 54,359 was for the Victoria Gardens alone.

31. The number of visitors to the Victoria Gardens fell off from the unprecedented figure of 1,653,639 in the previous year (when large crowds were drawn by two novelties in the shape of an orang-outang, since dead, and an elephant) to 1,370,223 in the year of report. The number was, however, larger than in 1899-1900 by about $2\frac{3}{4}$ lakhs of persons. Various additions were made to the specimens in the Victoria and Albert Museum, where also the number of visitors diminished from 824,289 to 668,700, presumably on account of the smaller number of persons who came to the adjoining gardens.

Fire Brigade.

32. The Fire Brigade, the cost of maintaining which in the year of report was Rs. 1,21,727, helped to extinguish 31 fires, and, it is estimated, saved from destruction property worth Rs. 13,75,160. The value of property destroyed by those fires is estimated at Rs. 11,48,420, over Rs. 11 lakhs of which was covered by insurance. There was also loss of life in the case of 12 persons, 11 of whom were boys of very tender age belonging to a school, the remaining pupils of which were pluckily saved by the Schoolmaster at considerable risk to himself.

Health Department.

33. The Department was throughout the year in charge of the newly appointed Health Officer, Dr. J. A. Turner, whose report contains much interesting information and shows the earnestness with which he has set himself to the

task of improving the sanitary administration of the city. It is gratifying to note that there was a check in the steady growth of the mortality, which year after year, since 1895, had to be recorded as higher than in the previous year, until in 1900, when the city was ravaged by five different epidemics (plague, cholera, small-pox, measles and relapsing fever), the death-rate reached the enormous figure of 96·56 per 1,000. In the five years previous to the advent of plague, 1891—1895, the average death-rate of the city was about 35 per mille. For the subsequent five years the average was 65 per mille, or nearly double. The rate for the year of report is 76·66 per mille, which, though considerably less than for 1900, which was the most unhealthy year in the modern history of the city, is still higher than the average of the previous five years. The greatest mortality was from plague, against which 18,736 deaths were recorded, against 13,285 in the previous year. Small-pox, measles and cholera were not much prevalent in the year, and between them they claimed only 424 deaths, against 8,791 in 1900. To fevers were put down 7,921 deaths (excluding 1,560 from relapsing fever), against 7,928 in the previous year (excluding 1,094 from relapsing fever); to phthisis 6,516 against 8,199, and to diseases of the respiratory system 7,804 against 12,522. The first four months of the year were the most unhealthy, and over half the year's mortality occurred in them. The highest death-rate (152·86) belongs to the Jain community. Among other Hindu communities the death-rate varies from 64 among Brahmans to 87·56 among low-caste Hindus. The Mussalman death-rate was 71·43, that of the Parsis 30·54, and that of Europeans 15·39, which is the lowest. 7,768 deaths were registered of children under one year of age, which, though less by 5,724 than in the previous year, is still about $\frac{1}{8}$th of the total number of deaths and more than half of the total number of births registered in the year. An exhaustive report by the Health Officer on the causes of infant mortality is at present under the consideration of the Corporation. *

34. Much improvement was not made during the year in birth registration; but the Health Officer has taken the matter seriously in hand, and hopes that, as his new system becomes more familiar with the people, it will be possible to register every child that is born. 13,520 births were registered against 12,688 in the previous year, giving a birth-rate of 17·42 per mille against 15·43 in 1900. 650 more male children were registered than female children.*

35. During the greater part of the year of report the control of plague was under Government as before, but in October the Health Officer took over the duty in addition to his own, and the administration of plague measures is now in the hands of the Health Department, by which change it has been possible to effect a very considerable reduction in plague expenditure.

36. The net cost to the Municipality of the maintenance and working of the Health Department during the year of report was Rs. 10,86,971 against Rs. 13,58,700 in the previous year.

Arthur Road Hospital.

37. This Municipal Hospital for infectious diseases, which since the advent of plague had practically become a plague hospital, ceased to be such since July 1901, when it was replaced under the direct supervision of the Health Officer. The total admissions to the hospital were 1,624, out of which 799 were for relapsing fever, 429 for plague and 200 were observation cases, the small remainder being made up of 26 admissions for cholera, 94 for small-pox, 71 for chicken-pox, and 5 for measles. An enquiry into the character, type and mortality from relapsing fever, based upon some 5,000 recorded cases in the hospital, was undertaken by the Assistant Health Officer in charge of the hospital, but was not completed by the end of the year.

* The statistics in these paras. are for the Calendar year.

License Department.

38. This department for the control of dangerous and offensive trades shows satisfactory results for the year of report. 6,154 licenses were issued and Rs. 60,713 realized from license fees, both figures being the highest attained by the department since its institution. The largest revenue of the department was from firewood and timber.

Markets and Slaughter Houses.

39. The receipts from the ten Municipal Markets in the shape of stall rents and squatters' fees aggregated Rs. 1,90,925, more than one-half of which was from the Crawford Markets alone. Rs. 1,60,759 were realized from Slaughter Fees, Butchers' License Fee, &c. 664,914 animals (of which 621,367 were sheep and goats, and the rest cows, bullocks, calves, and buffaloes) were slaughtered during the year to furnish the meat-supply of Bombay and of Bandora.

40. The total receipts of the department from all sources came to Rs. 4,22,981 against Rs. 4,19,096 in the previous year, showing a small advance of Rs. 3,885.

Primary Education.

41. With better health conditions prevalent in the city the Joint Schools Committee is able to show better results than in the previous year. The number of Municipal schools increased from 82 to 85 and the attendance from 5,484 to 7,235 pupils. Similarly the aided schools increased from 90 to 95 and the attendance in them from 7,773 to 8,395. Thus a total number of 15,630 pupils were under education in the schools maintained or aided by the Joint Schools Committee. Of these 8,985 were Hindus, 2,553 Parsis, 2,484 Mahomedans, 760 Native Christians and 848 others. The expenditure of the Committee for the year was Rs. 1,49,298 against Rs. 1,41,281 in the previous year. The average cost per pupil is worked out at 17·4 against 21·9 in the previous year, the reduction being due to improved attendance in the schools.

Conclusion.

42. Before concluding this review the Standing Committee must congratulate both the permanent and the officiating Commissioner on the satisfactory manner in which the Municipal Administration of the City of Bombay was conducted during the year 1901-1902.

BOMBAY, 10TH *November* 1902.

JAMES MACDONALD,

Chairman of the Standing Committee.

Annual Administration Report of the Municipal Commissioner for the City of Bombay for the year 1901-1902.

Introductory.

Mr. W. L. Harvey, C.I.E., I.C.S., continued to hold the appointment of Municipal Commissioner during the year and was on a year's furlough from 4th May 1901, from which date Mr. W. D. Sheppard, I.C.S., acted as Municipal Commissioner up to the close of the year.

2. The general health of the City was not satisfactory, chiefly owing to Plague.

3. No circumstances arose in any Department of the Municipality in which it was necessary to put into operation the provisions of the Municipal Servants' Act.

I.—Corporation and Standing Committee.

4. Mr. Dinshaw Edulji Wacha was appointed President of the Corporation at the meeting of the 11th April 1901, and held that appointment throughout the year.

5. Seventy-five meetings of the Corporation, and one hundred and five meetings of Committees of the Corporation other than the Standing Committee, were held. Ten other Committee meetings were convened, but not held.

6. The only change that took place during the year in the *personnel* of the Corporation was as follows :—

Mr. Ismail Jan Mahomed, L. M. & S., died on the 29th January 1902, and in his place Mr. Karamali Peerbhai Haji was elected by the rate-payers of B Ward (Mandvi) on the 27th February 1902.

7. The following Councillors were absent from the Corporation for the periods shown below for reasons approved by the Corporation under Section 17 (*b*) of the Municipal Act :—

Name.	Period.
Mr. Joseph Baptista,	from 1st July 1901 to 30th January 1902.
Lt.-Col. C. B. Mayne, R. E.,	from 1st July 1901 to 31st October 1901.
Mr. Nanabhai N. Katrak,	from 20th April 1901 to 16th November 1901.
Mr. S. Rebsch,	from 17th August 1901 to 15th November 1901.
Mr. Sarafalli Mamuji,	from 1st April 1901 to 18th August 1901.

THE STANDING COMMITTEE.

8. Mr. T. W. Cuffe was appointed Chairman of the Standing Committee at the meeting held on the 17th April 1901, and held that appointment throughout the year.

9. There were fifty-two meetings of the Standing Committee and forty-two meetings of Sub-Committees thereof, and three Sub-Committee meetings were convened, but not held for want of a quorum.

10. There were one hundred and ten attendances of members for signing cheques and fifty for the audit of Municipal Accounts.

11. The only change that took place during the year in the *personnel* of the Standing Committee was as follows :—

Mr. Ismail Jan Mahomed, L. M. & S., died on the 29th January 1902, and in his place Mr. Manmohandas Ramji was elected by the Corporation on the 13th February 1902.

12. The following is the list of the Municipal Councillors who held office on the 31st March 1902 :—

MR. DINSHAW E. WACHA, J. P., *R.—President.*

ABDUL HUSSEIN ADAMJI PIRBHAI, MR., J. P. *R.* (C Ward)
AITKEN, E. H., MR., B A., *G.*
ARDASIR FRAMJI UNWALLA, MR., B.A., J. P. *R* (G Ward)
BAPTISTA, JOSEPH, MR., B A., LL B. (Cantab.), L. C. E. (Bombay) *R* (E Ward).
BHAGWANDAS NAROTAMDAS, MR., J. P. *J.*
BHAISHANKAR NANABHAI, MR., J P., *J.*
BHALCHANDRA K. BHATAWADEKAR, THE HON'BLE SIR, KT., L. M., J. P. *R* (D Ward)
BYRAMJEE NUSSERWANJEE SEERVAI, MR., J. P. *G.*
CHIMANLAL H. SETALWAD, MR, B.A., LL.B. J. P. *U.*
COWASJEE HORMUSJEE, MR., G.G.M.C., J. P. *J*
CUFFE, T. W., MR , J. P. *C C*
DAJI ABAJI KHARE, THE HON. MR., B.A., LL B., J. P. *J*
DARASHAH RATANJI CHICHGAR, KHAN BAHADUR, J. P. *J*
D'MONTE, DOMINICK A., MR., M.D., L.R.C.P. (London), L. M. & S., M.R.C S., L.M. F.S.A., F.R.G.S., M.R.A.S., J. P. *J*
DHAKJI KASHINATHJI, RAO BAHADUR, J. P. *R* (C Ward)
DIMMOCK, H. P., LIEUT.-COL., M.D. (Durham), M.R.C.S., L.R.C.P., I.M.S., J. P. *G*
DINSHA BOMANJI MASTER, MR., L.M. & S., J. P. *J.*
EKNATH RAGHUNATH KHOTE, MR., *J.* P. *J*
ELAPPA BALARAM, RAO BAHADUR, J. P. *R* (E Ward)
FAZALBHAI JUMABHAI LALJI, MR., *R* (B Ward)
FAZALBHAI KARIMBHAI IBRAHIM, MR., *R* (B Ward)
FAZULBHAI VISRAM, MR., C.I.E., J. P. *G*
GELL, H. G., MR., J. P. *G*
GREAVES, HERBERT R., MR., J. P. *C C*
HARI SITARAM DIKSHIT, THE HON'BLE MR., B.A., LL.B., *R* (D Ward)
HASAMBHAI VISRAM, MR., J. P. *J*
HORMUSJI SHAPURJI VAKIL, MR., J. P. *R* (C Ward)
HURKISONDAS NAROTUMDAS, MR., J.P. *G*
HUSEIN S KHALIL, MR., BAR.-AT-LAW, *R* (C Ward)
HUTCHINSON, F. T., MR., J. P. *G*
IBRAHIM RAHIMTOOLA, THE HON'BLE MR., J. P. *J*
JAFARBHAI RAHIMTULA, MR., B. A., BAR.-AT-LAW., J. P. *R* (B Ward)
JAGMOHANDAS VARJIVANDAS, MR., J. P., *R* (C Ward)
JAMSETJI CURSETJEE JAMSETJI, MR., J. P. *J*
SIR JAMSETJEE JEJEEBHOY, BART., J. P. *G*
JAMSHEDJI ARDASIR WADIA, MR., J. P. *J*
JEHANGIR BOMANJI PETIT, MR., *R* (D Ward)
JEHANGIR J. KHARSETJI, MR., M.D., *R* (C Ward)
KAIKHOSRO NOWROJI KABRAJI, MR., J. P. *G*
KALIANDAS KESHAVDAS, MR., B.A., J. P. *R* (A Ward)
KARAMALI PIRBHAI HAJI, MR., *R* (B Ward)
KARIMBHAI ADAMJI PIRBHAI, MR., *R* (G Ward)
KAVASJI EDALJI DADACHANJI, MR., L.M. & S. *R* (D Ward)
K. M. SHROFF, MR., J. P. *R* (A Ward)
KAZI KABIRUDIN KAZI MOULVI BAKIR, MR., BAR.-AT-LAW, J. P., *R* (E Ward)
KHARSEDJI NASARWANJI WADYA, MR., *R* (F Ward)
LUND, G., MR., J. P. *G*
MACDONALD, JAMES. MR., J. P. *G*
MAHOMEDBHAI KARIMBHAI IBRAHIM, MR., J. P *R* (F Ward)
MANMOHANDAS RAMJI, MR., J. P. *R.* (C Ward)
MAYNE, C. B., LIEUT.-COL., R. E. *G*
McKENZIE, A., MR., J. P. *G*
MIR AUN ALI, MR., BAR.-AT-LAW, J. P. *J*
MULJI B. BARBHAYA, MR. J. P. *G*
NADIRSHAW HORMUSJI EDULJI SUKHIA, MR. L. M. & S., L.V. SC. *R* (A Ward)
NANABHAI NAVROJI KATRAK, MR., L. M. & S., J. P. *R* (A Ward)
NOWROJI JEHANGIR GAMADIA, MR., J. P. *R* (A Ward)
PHEROZESHAH M. MEHTA, THE HON'BLE MR., M.A., C.I.E , J. P. *J*
RAHIMTULLA KHAIRAZ, MR., J. P. *R* (B Ward)
RAHIMTULLA MOHAMED SAYANI, MR., M.A., LL. B., J. P. *G*
REBSCH, S., MR., M. INST. C. E., J. P. *G*
RASTAM K. R. KAMA, MR., B.A., LL.B. *U*
RUSTOMJEE BYRAMJEE JEEJEEBHOY, MR., J. P. *J*
SARAFALI MAMOOJI, MR., *R* (B Ward)
SORABJI KHARSETJI DHONDI, MR., *R* (E Ward)
SUNDERNATH D. KHOTE, MR., J. P. *R* (D Ward)
UNDERWOOD, CHARLES H. FREEMAN, MR., M.A., M.D., L.R.C.P. (Ireland), J. P. *J*
VIEGAS, ACCACIO GABRIEL, MR., L.M. & S., J. P. *R* (B Ward)
VITHALDAS DAMODAR, MR., J. P. *R* (C Ward)
VITHALRAO KRISHNAJI VANDEKAR, RAO BAHADUR, J. P. *R* (B Ward)
HAJI YOOSOF HAJI ESMAIL, MR., J. P *R* (E Ward)

NOTE.—The letters against the names signify—*R*, that the member was elected by the Rate-payers; *J*, by the Bench of Justices; *C C*, by the Chamber of Commerce; *U*, by the University; and *G*, appointed by Government.

II.—Heads of Departments.

13. Khan Bahadur M. C. Murzban, C.I.E., Executive Engineer, was on privilege leave from 10th April to 9th June 1901, during which period Mr. C. C. James, M. I. C. E., acted for him.

14. Mr. C. C. James, M. I. C. E., Deputy Executive Engineer, Drainage, Special Branch, was allowed one month's privilege leave from 17th June to 16th July 1901 and two months' and three days' deputation leave in continuation thereof to enable him, while in England, to discuss the schemes for the drainage of some of the portions of Bombay, with the firm of Messrs. Taylor, Sons and Santo Crimp, Consulting Engineers. Mr. N. Maughan, C. E., Deputy Executive Engineer, Drainage, Ordinary Branch, conducted Mr. James' duties in addition to his own during the period.

15. Mr. B. H. Hewett, A. M. I. C. E., Assistant Engineer, Mechanical Branch, was on three months' privilege leave from 19th August 1901. His duties were conducted by Mr. W. E. Mayers, first Engineer of the Pumping and Compressor Stations at Love Grove during the period.

16. Mr. J. Leask, Divisional Health Officer, No. 2 Division, was on privilege leave from 3rd August to 1st November 1901, during which period Dr. J. A. Turner, Executive Health Officer and Dr. W. Venis, Divisional Health Officer, No. 3 Division, looked after the work of No. 2 Division.

17. Dr. W. Venis, Divisional Health Officer, No. 3 Division, was on privilege leave from 22nd November to 21st December 1901, during which period Mr. J. Leask held charge of the Division in addition to his own duties.

18. Mr. Douglas Bennett, Superintendent of Markets, was on privilege leave from 4th October to 3rd December 1901, and Mr. L. W. Michael, 3rd Assistant Assessor, acted for him during the period.

19. Mr. H. Holmes, Assistant to the Municipal Commissioner, was on furlough from 1st July to the end of the year and Mr. Anandrao Wamon Shete acted for him.

III.—Financial.

I.—General.

20. The revenue for the year amounted to Rs. 77,66,729-9-3, and the expenditure to Rs. 82,26,457-13-2. The resulting deficit of Rs. 4,59,728-3-11 was met partly from the Working Cash Balance, which in consequence was reduced from Rs. 29,83,701 to Rs. 25,33,833, and partly from a decrease amounting to Rs. 9,860 in the monies locked up in reserve stores.

21. Of the closing working cash balance of Rs. 25,33,833, Rs. 15,40,201 represent recoverable advances made for plague and administrative purposes, and Rs. 6,00,431 the sum required for the renewal of lapsed grants for 1901-02 and previous years. The unhypothecated balance at the close of the year thus amounted to Rs. 3,93,201. Taking into account the sum of Rs. 15,40,201, which represents recoverable advances, the Surplus Cash Balance, excluding the one lakh required by law available for further expenditure, stood at the close of the year at Rs. 18,33,401 as brought out in Appendix No. 8 to the Chief Accountant's report. As pointed out, however, by the Chief Accountant in para. 28 of his report, this surplus balance is reduced to Rs. 4,35,815 when the various hypothecations already made are taken into consideration.

II.—Income.

22. The income for the year, including larger recoveries of outstandings, aggregated Rs. 77,66,729-9-3, which shows an advance of Rs. 69,857-9-3 on the original budget estimate of Rs. 76,96,872 and of Rs. 38,729-9-3 on the revised estimate of Rs. 77,28,000. These results have ensued notwithstanding the reductions made in the General Tax and in Town Duties on grain and firewood and notwithstanding the discontinuance of the levy of water charges on Municipal Buildings, except those which the Corporation have let and have the power to let. As compared with the original budget estimate, there was an increase of Rs. 3,14,685 in the gross receipts from the Property Taxes, Licenses and Tobacco Duty and Returns from Property and Miscellaneous. But this increase was almost absorbed by the falling off of Rs. 2,57,877 in the receipt from Town Duties. As compared with the revised estimate, there were increases amounting to Rs. 1,46,693, principally under Tobacco Duty, Water Tax, and Returns from Property and Miscellaneous; while there were decreases amounting to Rs. 1,07,964, chiefly under General and Halalkhore Taxes and Town Duties.

23. As compared with the actual receipts in the preceding year, the income for the year under report shows a decrease of Rs. 6,36,119, which, as pointed out by the Chief Accountant, is not due to any actual falling off in the principal sources of revenue, but is the result of reductions made in the rates of taxation levied during the year for General Tax and Town Duties.

24. It is satisfactory to observe that, with the exception of Town Duties, the income from which is liable to fluctuate, the income from other principal sources of revenue shows a continued tendency to expansion.

III.—Expenditure.

25. The total sum finally allotted for expenditure during the year aggregated Rs. 90,49,700-13-0, against which the expenditure amounted to only Rs. 82,26,457-13-2, thus leaving an unexpended balance of Rs. 8,23,242-15-10. Of this balance Rs. 6,00,431-6-1 are to be renewed for expenditure in 1902-3 and the following years. The gross savings on the final allotments thus amounted to Rs. 2,22,811-9-9 which includes the unappropriated balance of Rs. 69,792-15-2 of the reserve for additional grants, which not having been utilized up to the close of the year lapsed to Surplus Cash Balance. The actual savings thus amounted to Rs. 1,53,018-10-7, which accrued principally under Public Works Engineer's Department (Rs. 23,930), New Works (Rs. 13,618), Public Health Department (Rs. 69,063) and Miscellaneous (Rs. 16,219). The savings in the Engineer's Department accrued chiefly under the Drainage and Water Services and in Public Lighting, while the savings in the Public Health Department are attributable principally to the lower contract rates for food-stuffs and to less expenditure on stores, rent and repairs.

26. As compared with the year 1900-1, the expenditure during the year shows a net decrease of Rs. 3,57,600. This reduction is explained by the discontinuance of the levy of water charges in respect of Municipal properties, except those let by the Corporation, and the cessation of Grain Compensation to peons.

27. The amount of lapsed grants to be renewed in 1902-3 shows a large decrease of Rs. 2,16,508 on the amount of similar grants renewed in 1901-2.

IV.—Loan and Plague Expenditure.

28. The loan expenditure of the year, excluding that on plague measures, aggregated Rs. 7,06,259 against Rs. 8,44,135, in the preceding year and was distributed thus:—

Sewerage and Drainage Works	Rs,	6,34,573
Water Works	„	6,070
Roads	„	18,497
Sanitary and Minor Works	„	47,119
	Rs...	7,06,259

29. The amount expended from Municipal funds on plague operations during the year totalled Rs. 4,43,616 against Rs. 6,80,425 in the preceding year. In addition to this, Rs. 52,754 were spent from the contributions received from Government for the construction of Health Camps and for Discretional Relief, raising the total plague expenditure for the year to Rs. 4,96,370. The corresponding figures for the preceding year was Rs. 7,40,242. There was thus a large and satisfactory reduction in expenditure of Rs. 2,43,872. From the commence-

ment of the operations to the close of the year, the expenditure on plague measures aggregated Rs. 58,12,150, of which Rs. 1,70,031 were spent from monies furnished by Government for Camps and Rs. 1,20,765 from the Discretional Relief Funds allotted to the Municipality by Government.

30. Of the total outlay of Rs. 58,12,150, Government contributed Rs. 17,40,796, the balance of Rs. 40,71,354 being financed by this Municipality (1) by raising a loan of 12 lakhs, (2) by entrenching on existing loan balances to the extent of Rs. 15,72,876, and (3) by advances amounting to Rs. 12,98,478 from the general revenue balances.

V.—Debt and Sinking Fund.

31. During the year, Rs. 6 lakhs, being the first instalment of the 24¾ Lakhs Loan, was taken up by the Municipality for the investment of the 4 per cent. Loans Sinking Funds and surplus moneys, and Rs. 11 lakhs, being the second instalment, was raised from the public at an average rate of Rs. 96-15-1·6473 cent. Thus, in all, Rs. 17 lakhs were raised. The discount on the loans raised from the public amounted to Rs. 33,593-2-0 which was met as usual from the net Premia Fund.

32. During the year, Rs. 87,700 were repaid to Government and the public. The net increase during the year in the Municipal Debt, therefore, amounted to Rs. 16,12,300. The total Municipal debt, which at the beginning of the year amounted to Rs. 4,44,04,760, was thus raised at the close of the year to Rs. 4,60,17,060, of which Rs. 24,73,560 represented debt due to Government and Rs. 4,35,43,500 to the public.

33. The Sinking Fund of the different Municipal Loans was augmented during the year by Rs. 5,25,334 and stood at the close of the year at Rs. 35,73,861 against Rs. 30,48,527 at the beginning of the year. Taking this cash asset as a set-off against the total gross debt owing by the Municipality, the net debt liability of the Municipality stood at Rs. 4,24,43,199.

VI.—Assets and Liabilities.

34. The assets and liabilities of the Municipality at the close of the year compare as follows:—

Assets	Rs.	6,19,35,551
Liabilities	„	4,65,83,035
Excess of Assets over Liabilities	Rs.	1,53,52,516

35. Of the liabilities, Rs. 4,60,17,060 form the gross debt due by the Corporation, Rs. 4,94,194 are deposits, Rs. 53,911 represent charges admitted but not paid, and a small item of Rs. 17,870 makes up the balance.

36. As compared with the preceding year, there is an increase in the Assets of Rs. 12,55,440, due principally to the execution of loan works to the extent of Rs. 7,06,259, to the addition of Rs. 5,25,334 made to the Sinking Funds and to large advances made for the execution of drainage works on behalf of house-owners under Section 260 of the Municipal Act. The Liabilities show an increase of Rs. 16,12,300 under Debt and a decrease of Rs. 82,021 under Deposits and Cheques payable; thus there is a net increase of Rs. 15,30,279.

37. As pointed out in the report for 1900-1901, the statement of assets requires investigation. But it will be seen from the remarks made by the Chief Accountant on page 25 of his report that it has not been possible to make any progress in this direction.

VII.—Special.

38. The only noticeable reduction that has taken place in Reserve Stock during the year was in the stock of kerosine oil kept by the Engineer's Department. The future systematic verification of our stores and their revaluation is receiving attention.

39. The loss on the working of the Water Works during the year, which had to be met from the current revenues, aggregated Rs. 82,251 against a surplus of Rs. 1,05,593 in the preceding year, the accounts for which included recoveries of inter-departmental charges to the extent of Rs. 3,62,075. The inter-departmental charges levied in 1901-02 under legal advice amounted to only Rs. 24,843. Excluding the excess of inter-departmental charges amounting to Rs. 3,37,232 levied in 1900-01, the loss for that year would have amounted to Rs. 2,31,639 against Rs. 82,251 in the year under report.

40. As required in the Standing Committee's Resolution No. 12212, dated 2nd February 1892, the net revenue and net expenditure for 1901-1902 and the preceding year are given in the following statement:—

Particulars.	1900-1901.	1901-1902.
	Rs. a. p.	Rs. a. p.
Net Revenue after deducting Refunds, Draw-backs and Charges in respect of Assessment and Collection and granting of Refunds.		
General Tax	28,01,342 0 10	24,79,966 4 1
Fire Tax	.....	* 1,760 15 8
Water Tax and other Miscellaneous Water Works Revenue	1,05,593 2 11	.....
Wheel Tax and Tolls	3,09,269 15 9	3,32,430 1 4
Town Duties	9,99,270 11 5	7,64,227 4 0
Receipts from Government for Liquor Licenses and Tobacco Duty	3,60,679 8 0	3,76,814 9 7
Market Receipts	2,19,684 3 5	2,77,540 6 5
Returns from other Property and Miscellaneous	2,72,880 4 6	2,42,265 9 5
Net Receipts ... Rs.	50,68,719 14 10	44,75,005 2 6
Deficit ... Rs.	**1,81,210 3 2**	**4,59,728 3 11**
Total ... Rs.	52,49,930 2 0	49,34,733 6 5
Net Expenditure after deducting Receipts.		
General Superintendence	1,98,637 0 6	1,86,096 2 9
Fire Brigade	1,759 9 0	* .....
Public Gardens	62,251 7 5	47,493 15 7
Public Works (Engineer's Department, excluding Water Works)	13,52,590 2 9	11,86,967 5 6
Water Works	†	82,251 7 10
New Works (excluding Water Works)	55,369 0 2	94,677 0 5
Public Health Department (excluding Markets)	11,89,058 4 1	9,98.015 11 7
Municipal Debt (excluding Water Works)	9,94,707 12 1	11,15,618 4 9
Police	5,02,454 12 3	5,00,021 14 0
Education	1,11,930 2 0	1,12,513 1 11
Hospitals	58,976 10 10	57,000 0 0
Pensions, Gratuities, and Compassionate Allowances	57,094 0 0	36,821 15 6
Miscellaneous	1,91,418 11 9	36,256 6 7
Contribution to the City Improvement Trust	4,74,605 0 0	4,81,000 0 0
	52,50,852 8 10	49,34,733 6 5
Less—Rebate to current revenue	922 6 10	.....
Net Expenditure ... Rs.	52,49,930 2 0	49,34,733 6 5

* The receipts from Fire Tax being in excess of the expenditure have been shown under Revenue.
† There was a surplus in 1900-1901.

41. The revenue, expenditure and balances of the last five years have been contrasted in the following table :—

	1897-98.	1898-99.	1899-1900.	1900-1901	1901-1902.
	Rs.	Rs.	Rs.	Rs.	Rs.
Revenue	(a) 67,08,506	(d) 71,61,911	(h) 88,29,817	(k) 84,02,848	(n) 77,66,730
Expenditure	(b) 70,59,914	(e) 73,39,026	73,92,479	(l) 85,84,058	(o) 82,26,458
Closing balance (including recoverable advances to Loan Works, Reserve Stock, &c., and excluding minor deposits, &c.) ...	(c) 26,25,144	(f) 24,48,030	(i) 38,85,368	(m) 37,04,157	(p) 32,44,429
Add—Recoverable Revenue Outstanding ...	83,000	1,00,000	1,68,000	3,56,000	2,28,000
	27,08,144	25,48,030	40,53,368	40,60,157	34,72,429
Deduct—Uncompleted works, &c., the unexpended balances of the grants for which were required for payment in the following year...	5,20,070	(g) 7,49,471	(j) 9,34,073	8,16,939	6,00,431
Net workable balance available for requirements of the following year	(c) 21,88,074	(f) 17,98,559	(i) 31,19,295	(m) 32,43,218	(p) 28,71,998

(a) Excluding Rs. 4,37,055-0-1 on account of rebate to current revenue in respect of Plague expenses incurred in 1896-97, which has been shown by a deduction from the expenditure. The sum of Rs. 67,08,506 includes over Rs. 2¾ lakhs on account of outstandings recovered.

(b) Includes Rs. 5 lakhs on account of Plague expenses debited to Revenue in 1897-98 and a rebate of Rs. 4,37,055 on account of Plague Expenses debited to Revenue in 1896-97.

(c) Excluding Rs. 9,03,587 on account of the value of Reserve Stock on hand on 31st March 1898, and Rs. 8,12,546 on account of net advance made for the purchase of frontage lands in the Agripada, &c., Estate, the net closing balances amounted to Rs. 9,09,011 and Rs. 9,71,941.

(d) In this year the General Tax was increased from 8½ to 9½ per cent. and the Town Duties on Grain, Firewood and Ghee were increased from annas two per candy, anna one per candy, and annas eight per maund to annas four per candy, annas two per candy and annas ten per maund, respectively.

(e) Includes a debit of Rs. 8,12,546-4-8 on account of the write-off of the net amount advanced for the purchase of frontage lands in the Agripada, &c., Estate and a credit of Rs. 5 lakhs on account of rebate of Plague expenses debited to Revenue in 1897-98.

(f) Excluding Rs. 8,75,554 on account of the value of Reserve Stock on hand on 31st March 1899, the net closing balance amounted to Rs. 15,72,476 and Rs. 9,23,005.

(g) Excluding Rs. 70,000, being a portion of the unexpended balance of the grant on account of compensation for insanitary buildings demolished, which was subsequently treated as a saving.

(h) In this year the General Tax was raised from 9½ to 12½ per cent. and the duty on grain was increased from 4 annas to 6 annas per candy. The amount of Rs. 88,29,817 included an abnormally high revenue from Town Duties amounting to about Rs. 2 lakhs and a quarter.

(i) Excluding Rs. 8,33,634 on account of the value of Reserve Stock on hand on 31st March 1900, the net closing balance amounted to Rs. 30,51,734 and Rs. 22,85,661, respectively.

(j) Excluding Rs. 17,838 on account of certain lapsed grants not renewed in 1900-1901.

(k) The outstandings of rates and taxes at the close of the year amounted to Rs. 3,74,234 against Rs. 1,81,562 in the preceding year.

(l) Includes Rs. 4,74,605 on account of the first contribution paid to the City Improvement Trust and increased expenditure under Municipal Debt, Public Health and Engineer's Departments, &c., and grain compensation to Municipal employés.

(m) Excluding Rs. 7,20,457 on account of the value of Reserve Stock on hand on 31st March 1901, the net closing balances amounted to Rs 29,83,700 and Rs. 25,22,761, respectively.

(n) In this year the General Tax was reduced from 12½ to 10½ per cent. and the duties on grain and firewood from annas 6 and annas 2 per candy, respectively, to annas 4 and anna 1 per candy.

(o) In this year the levy of water charges on Municipal Buildings except those actually let was discontinued under legal advice and the grain compensation to Municipal employés was stopped.

(p) Excluding the value of Reserve Stock on hand on 31st March 1902, the net closing balances amounted to Rs. 25,33,833 and Rs. 21,61,461, respectively.

IV.—Assessment and Collection of Revenue.

42. The total amount collected under all heads, exclusive of miscellaneous receipts, was Rs. 51,67,545 against the estimate of Rs. 54,37,000. The amount of miscellaneous receipts aggregated Rs. 27,316-4-9.

43. The number of properties on the Assessment Book at the close of the year was 54,176 against 53,864 for the preceding year.

44. Complaints against the assessments numbered 2,920.

45. There were 18 appeals to the Chief Judge of the Small Causes Court, of which 13 were settled by consent, 3 were dismissed with costs, and 2 were allowed.

REVENUE AUDIT.

46. The books and balances of the Ward clerks in the 7 Ward offices were duly examined at the end of each quarter and the bills checked in detail after comparison with the Head Office accounts. The Assessment Books in the Head Office were also examined with a view to ascertain that no taxation of property had been evaded. The revenue from public land conveyances was also audited, and certificates of issue of licenses were duly checked with the register. The number of claims for 1/5 drawback was 16,452, of which 12,842 were admitted. 6,642 entries relating to alteration in valuation and in demand were checked. The number of complaints against valuations under Section 163 of the Municipal Act heard by the Revenue and Refund Audit Officer aggregated 684 against 837 for the previous year, and the number of decisions on complaints against amendments under Section 167 scrutinized amounted to 291.

47. The revenue receipts and vouchers of the different Departments checked are as follows:—

	Number of Vouchers.	Amount. Rs.	a.	p.
Engineering Department	7,724	40,077	3	8
Health Department	24,172	66,948	14	8
Licensing Department	6,204	67,379	0	0
Markets and Slaughter Houses	14,596	4,22,981	9	5
Victoria Gardens	16,253	9,381	8	9

48. The number of claims to refund for vacancy under Sections 174 to 179 of the Act and on account of over-collections scrutinized and sanctioned amounted to 1,312, representing Rs. 43,192-11-4.

TOWN DUTIES.

49. The total collections for the year amounted to Rs. 21,89,404-3-6 against Rs. 30,84,008-10-4 in the past year. Out of this, the amount refunded was Rs. 11,07,157-4-0, showing the net revenue at Rs. 10,82,246-15-6.

50. The number of claims dealt with was 47,083 against 71,699 for the past year.

V.—Public Works.

DRAINAGE.

51. The machinery at the Compressor Station and the several Ejector Stations worked satisfactorily during the year.

52. The engines and pumps at the Love Grove Pumping Station worked satisfactorily. The efficiency of the pumps as tested by monthly observations taken showed an average of 89·92 per cent. The average daily consumption of coal was 12 tons 12 cwts. and 6 lbs. against 10 tons 17 cwts. 2 qrs. and 10 lbs. in the previous year.

53. The street portions of the house-drainage connections carried out partly by contractors and partly departmentally numbered 4,132 at a cost of Rs. 1,02,167-14-7.

54. Several latrines and urinals have been constructed at different places to meet the public convenience.

55. Works in connection with the sanitary arrangements of the various Health Camps, Observation Camps and Plague Hospitals were carried out by the Drainage Department, Ordinary Branch.

56. Several important works executed by the Drainage Department, Special and Ordinary Branches, have been detailed in the Executive Engineer's report.

WATER WORKS.

57. *Tansa Lake.*—The rainfall for 1901 was 96·15 inches against 104·60 inches for 1900. The total quantity of water received in the Lake was 35,054 millions of gallons, or 47·8 per cent. of the rainfall on the catchment area of 52·5 square miles. On the morning of the 29th November 1901, the Tansa Duct gave way at mile 22-2530. The supply was temporarily restored on the 4th December, and water was again turned on in the Duct on the 25th December 1901. The stoppage of the supply while repairs were in progress was taken advantage of to repair the Duct between Bhandup and Thana. During the year there was no burst in the 48″ main. Most of the remaining jungle along the line of the aqueduct in the Kasheli Division has been cleared.

58. *Vehar Lake.*—The rainfall for 1901 was 75·58 inches against 72·96 inches for 1900. The total quantity of rain which fell on the whole drainage area of 3,900 acres was about 6,650 million gallons, of which about 5,053 million gallons reached the Lake, or about 76 per cent. of the total rainfall. There was no burst outside Bombay on the Vehar 24″ main, but there were two bursts near Cobrla on the 32″ main.

59. *Tulsi Lake.*—The rainfall for 1901 was 93·62 inches against 93·02 inches for 1900. The total quantity of rainfall on the whole drainage area of 1,700 acres was 3,611 million gallons, of which about 2,329 million gallons reached the Lake—this forms 64·5 per cent. of the total rainfall. There were three bursts on the Tulsi line, two of which were due to the action of the scraper which was passed through the main in February, and which in addition to improving the quality of the water has increased the total delivery by about 12½ per cent.

60. *Supply and Distribution.*—A 4″ main was laid to supply new buildings erected on the Improvement Trust Wellington Lines Estate. There were 223 bursts in several mains, 431 new connections were made and 273 connections were cut off for various reasons. The total number of connections is 20,552.

REGULATION OF STREETS AND BUILDINGS.

61. The number of applications for permission to either build or rebuild houses, &c. aggregated 2,219, or 29 less than in the preceding year. 367 notices were issued for the removal of unsafe, dangerous or ruinous buildings, which were all complied with either partly or wholly. Thirty buildings or parts of buildings fell down; of these, in 29 cases no injury was done to life and in one case four persons were injured. 3390·1 square yards of ground, at a cost of Rs. 1,06,043-2-0, have been added to streets.

ROADS.

62. The area of roads metalled during the year was 5,952,127 square feet at a cost of Rs. 2,33,647-7-8, the rate for metalling working out at 7·5 pies per square foot. The total quantity of road metal purchased was 1,054,702 cubic feet at a cost of Rs. 65,918-14-7.

PUBLIC LIGHTING.

63. The total number of gas lamps in the City at the end of the year was 3,960, and the total number of kerosine oil lamps was 1,715. The total cost of gas lighting amounted to Rs. 2,25,108-8-10, and the total net cost of kerosine oil lighting to Rs. 32,054-7-1. The total cost of lighting by electricity the Crawford Markets and the Municipal Offices amounted to Rs. 10,550-5-5.

WORKSHOPS.

64. The Municipal Workshops kept in repair numerous articles of plant and machinery used by different departments and a large number of new works were executed there. The dispute as to the right of occupancy of the ground

occupied by the Health Department stables and the Workshops has not yet been settled, but Government have now filed a suit in the High Court for the recovery of the remaining ground.

65. The total cost of working the hydraulic lift amounted to Rs. 1,812-13-1.

INSPECTION, IMPROVEMENT AND DEMOLITION OF INSANITARY BUILDINGS UNDER THE EPIDEMIC DISEASES ACT.

66. 1,433 houses were inspected, of which 841 were found more or less in need of improvement and 590 were found incapable of improvement and fit for demolition. 145 houses and sheds were demolished. 926 notices were issued requiring the house-owners to improve their buildings. The over-crowding in houses has been abated in 181 cases.

FIRE BRIGADE.

67. The Fire Brigade was maintained in its usual state of efficiency, and the total loss of property by fire, 97 per cent. of which was covered by insurance, only slightly exceeded the decennial average (Rs. 11,25,000). No difficulty was experienced at fires in obtaining an early and sufficient supply of water.

68. Several members of the Brigade sustained injuries in the execution of their duties, and two were invalidated out of the service in consequence.

69. The strength and equipment of the Brigade was maintained at its previous strength, the renewals for the year consisting of one horse, three fire escapes and 3,420 feet of hose.

70. There were 78 calls of fire, of which 16 were false alarms.

PUBLIC GARDENS.

71. The following Gardens were maintained during the year :—

Victoria Gardens.	Northbrook Garden.
Elphinstone Circle Garden.	Falkland Road Garden.
Municipal Office Garden.	Malabar Hill Garden.
Bazar Gate Garden.	Sir Cowasji Jehangir Garden.
Dick's Tank Garden.	

72. The number of visitors to the Victoria Gardens fell from 1,653,639 to 1,370,223, the decrease being due to the death of the male Ourang Outang which during the past year had proved a great attraction. The attendance has still been very large on Sundays and Holidays. The elephant in the gardens has been utilized for rides, for which a small fee is charged, and the receipts have so far more than paid for the animal's keep.

73. A large aquatic cage has been constructed capable of holding a great variety of wild fowl under natural conditions. A house has been built for the elephant. The plant-house in the nursery has been extended, additional water-pipes have been laid down, and some more waste ground brought under cultivation. Numerous specimens have been added by purchase and presentation to the zoological collection.

VICTORIA AND ALBERT MUSEUM.

74. Numerous additions were made to various sections of the Museum, and the usual care was bestowed upon the preparation and preservation of the specimens in the different sections.

75. The Museum was open to the public during 313 days of the year. The total number of visitors was 668,700, representing a daily average of a little over 2,136. The daily average for the preceding year was 2,641.

VI.—Public Health.

76. The state of the public health during the year was better than in the preceding year, the number of deaths, exclusive of still-born, being 59,495 against 79,350 for the previous year. There were 18,736 deaths from plague against 13,285 during the preceding year. The control of plague measures was transferred to the Health Department in October 1901.

77. The number of births registered during the year was 13,520.

78. 167,361 patients were treated at the three Municipal Dispensaries, *viz.*, at Kumbharwada, Dongree and Curry Road, against 145,341 during the previous year.

79. Five prosecutions were instituted in connection with the adulteration of ghee and conviction was obtained in all the cases.

80. The preparation of Professor Lustig's curative serum was continued throughout the year at the Municipal Laboratory.

81. The water-supply was analysed by Dr. Cayley chemically and bacteriologically every month during the year.

82. On an average 6,941 men and women and 1,232 scavenging and drain carts and 205 night-soil and cess-pool carts were at work each day during the year. 354,853 tons of garbage, equal to 972·61 tons a day, were collected and removed and disposed of against 348,152 tons of garbage in 1900. 179,022 tons of night-soil and cess-pool matter, equal to 490 tons a day, were collected and removed against 172,959 tons in 1900. 131·54 miles of covered drains were opened and cleaned against 202 miles in 1900.

LICENSES.

83. The license fee receipts were Rs. 67,516 against Rs. 63,689 during the preceding year, the number of licenses issued being 6,154 against 5,912.

MARKETS.

84. The total revenue from Markets and Slaughter-houses was Rs. 4,22,981-9-5 against Rs. 4,19,096-1-4 in the preceding year.

85. The quantity of unwholesome food, mostly consisting of meat and fish, destroyed was 68,868 lbs. against 156,208 lbs. destroyed last year.

VII.—Education.

86. The Government grant was Rs. 42,666 as in previous years, the Municipal contribution being Rs. 80,000.

87. Two new Marathi schools were opened, one at Curry Road and one at Sion, the former for boys and the latter for girls. A new Urdoo school was also opened at Parel.

88. The light physical training system has given satisfactory results.

89. The total number of Municipal schools at the close of the year was 85 with 7,235 pupils against 82 with 5,484 pupils for the preceding year.

W. L. HARVEY,

Municipal Commissioner for the City of Bombay.

CHIEF ACCOUNTANT'S REPORT

FOR 1901–1902.

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FINANCIAL.

REPORT of MR. W. E. WAITE, Chief Accountant, for the financial year 1901-1902, as forwarded with his No. 4781, dated 29th August 1902.

I have the honor to submit my report on the Accounts of the Municipality for the financial year ending 31st March 1902. As usual there was delay on the part of Executive Officers in submitting the necessary documents to this office.

GENERAL RESULTS.

Income and Expenditure.

2. The income for the year aggregated Rs. 77,66,729-9-3 against an expenditure of Rs. 82,26,457-13-2, thus resulting in a deficit of Rs. 4,59,728-3-11, as shewn in Appendix 1, against a deficit of Rs. 4,16,000 anticipated in the original Budget for the year.

* *Vide* Corporation's Resolution No. 9007, dated 17th October 1901, and the footnote in the Revised Estimate of Income for 1901-02.

As compared with the original Budget Estimate of Rs. 76,96,872,* the income shews an increase of Rs. 69,857-9-3 and on the Revised Estimate of Rs. 77,28,000, there is an increase of Rs. 38,729-9-3.

The expenditure for the year, *viz.*, Rs. 82,26,457-13-2, shews an increase of Rs. 1,13,585-13-2 on the original Budget Estimate of Rs. 81,12,872.

As compared with the finally amended estimate of Rs. 90,49,700-13-0 (*vide* Appendix No. 5), there was an unexpended balance of Rs. 8,23,242-15-10, against which renewals of grants are required to be made to the extent of Rs. 6,00,431-6-1 for expenditure in 1902-1903 and future years. The net savings on the final estimate for the year thus aggregate Rs. 2,22,811-9-9.

Opening and Closing Working Balances.

3. Including Recoverable advances to the extent of Rs. 14,93,217-11-8 made for plague and administrative purposes, and including also Rs. 8,16,938-15-4, reserved for the renewal of lapsed grants for 1900-1901, and previous years, the year opened with a working cash balance of Rs. 29,83,700-13-0. It closed with a balance of Rs. 25,33,832-10-5, of which Rs. 15,40,201-4-8 represent recoverable advances made for plague and administrative purposes, and Rs. 6,00,431-6-1 the sum required for the renewal of lapsed grants for 1901-02 and previous years.

Reserve Stores Stock.

4. The value assigned to the Stores in stock at 31st March 1902, aggregated Rs. 7,10,596-9-2, as compared with Rs. 7,20,456-10-6 at the beginning of the year, thus shewing a reduction of Rs. 9,860-1-4.

Additional and lapsed grants.

5. The sums made available for expenditure during the year, in addition to the original Budget Grants, aggregated Rs. 10,07,700-15-4. The grants lapsing to surplus cash balance and requiring renewal aggregate Rs. 6,00,431-6-1, as compared with Rs. 8,16,938-15-4 in the year 1901-1902.

Surplus Cash Balance.

6. Including all recoverable advances except sums locked up in the reserve stock and lapsed grants renewed in 1902-1903, the surplus cash balance at the close of the year aggregated Rs. 18,33,401-4-4, as compared with Rs. 20,66,761-13-8 at the beginning of the year.

Taxation.

7. During the year the maximum rates leviable under the Municipal Act were in force except in the following cases :—

1. General tax, 10 per cent. against a maximum under the Act of 12 per cent.
2. Fire tax, ½ per cent. against a maximum under the Act of ¾ per cent.
3. Town duties.

Grain—Annas 4 per candy against Annas 6 per candy.
Firewood—Anna 1 per candy against Annas 2 per candy.

Taking the population at 776,006, the incidence of taxation per head of population during each of the four years ending with 31st March 1902 was as follows :—

	Rs.	a.	p.
1898-1899	8	1	10
1899-1900	10	1	4
1900-1901	9	7	3
1901-1902	8	9	7

Income Outstandings.

8. The outstandings of Rates and Taxes at the close of the year 1901-1902 stood at Rs. 2,49,762 against Rs. 3,74,234 in the previous year, shewing a decrease of Rs. 1,24,472 as follows :—

Outstandings	General Tax.	Water Tax.	Halalkhore Tax.	Wheel Tax.	Meter Hire.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
At 31st March 1901	1,72,646	98,747	80,903	15,946	5,992	3,74,234
Do. 1902	94,053	76,626	66,960	8,905	3,218	2,49,762
Decrease ...	78,593	22,121	13,943	7,041	2,774	1,24,472

Comparison with 1900-1901 ... ... (a) Income.

9. Compared with the year 1900-1901, when the income realised amounted to Rs. 84,02,848-4-2, the receipts for the year under review shew a decrease of Rs. 6,36,118-10-11, which is due partly to the reduction in the rates levied for General Tax and for Town Duties on grain and firewood, and partly to the heavy refund of Town Duties made during the year.

(b) Expenditure.

The total revenue expenditure for the year shews a decrease of Rs. 3,57,600-10-2 as compared with the previous year. This decrease may be attributed to the falling-off in the charge for water consumed by Municipal Departments, in consequence of its having been declared illegal to charge for water consumed on Municipal properties which the Corporation do not let or have not the power to let.

Debt.

10. The Municipal Debt at 31st March 1901 stood at Rs. 4,44,04,760-4-5. During the year Rs. 17 lakhs were raised, and Rs. 87,700-5-10 repaid. The Municipal Debt at 31st March 1902 thus amounted to Rs. 4,60,17,059-14-7. Adding to this sum Rs. 15¾ lakhs on account of loans sanctioned but not raised up to the close of 1901-1902, the total liability for loan capital to which this Municipality was committed at the close of the year under review amounted to Rs. 4,75,92,059-14-7.

Sinking Fund.

11. The Sinking Fund investments of the different Municipal Loans on 31st March 1901 amounted to Rs. 30,48,527-6-1. To this were added during the year Rs. 3,79,082-14-0 on account of the annual Sinking Fund instalments, and Rs. 1,46,250-13-9 on account of the interest realised during the year on the invested funds, thus bringing the total Sinking Fund investments at 31st March 1902 to Rs. 35,73,861-1-10.

Loan Works Expenditure.

12. Against the original Budget Estimate of Rs. 27,85,512 and the Revised Estimate of Rs. 17,53,327-3-1, the total expenditure incurred on Loan Works (including plague) during the year amounted to Rs. 11,49,874-15-5.

Plague Expenditure.

13. The expenditure on plague operations during the year aggregated Rs. 4,43,615-15-3, thus raising the total expenditure for plague purposes from the commencement of plague operations to the close of the year to Rs. 55,21,354-6-7.

INCOME.

Comparison between Budget Estimates and Actuals.

14. A detailed comparison between the Budget Estimate and the Actuals will be found in Appendix No. 2.

As already stated in para. 2 the income exceeded the original Budget Estimate by Rs. 69,857-9-3. The gross receipts under General Tax (including Fire Tax), Licenses, Tobacco Duty, Halalkhore and Water Taxes and Returns from Property and Miscellaneous exceeded the original estimate by Rs. 3,14,685-0-6. But owing principally to a large falling off of Rs. 2,37,876-13-6 in the receipts from Town Duties, the increased revenue was reduced to Rs. 69,857-9-3.

15. The principal variations are explained below :—

(a) *General Tax.*—The decrease of Rs. 78,593 in the outstandings fully accounts for the increase of Rs. 79,571-0-2 under this head.

(b) *Wheel Tax and Tolls.*—Decrease, Rs. 4,253-0-7. Under the tax on private conveyances there was an increase of Rs. 9,092-11-5, derived almost entirely from the recovery of outstandings. The receipts under public land conveyances were less than the

estimate by Rs. 9,963-8-0, owing partly to a falling off in the number of conveyances licensed during the year as compared with the estimate, and partly to the tax on some of the labour carts having been paid for broken periods instead of for the full year. Toll fees shew a decrease of Rs. 3,382-4-0 on the estimate. The sum derived from toll fees is even lower than that realised in 1900-1901 which, as stated at page 31 of the Financial Report for that year, was the lowest of the sums realised since 1890-1891.

(*c*) *Town Duties.*—Decrease, Rs. 2,37,876-13-6. This heavy decrease is due to the payment of arrears of Town duty refunds.

(*d*) *Receipts from Government for Tobacco Duty.*—The increase of Rs. 19,064-9-7 can only be due to the quantity of tobacco taken out of bond for local consumption, being larger than estimated by the Collector of Customs.

(*e*) *Halalkhore Tax.*—The collection of larger outstandings accounts for the increased realization of Rs. 10,438-11-3 under this head.

(*f*) *Water Tax and other Miscellaneous Water Works Revenue.*—The excess realization of Rs. 47,248-4-3 was obtained from the following sources :—

	Rs.	a.	p.
Water tax due to the collection of larger outstandings...	17,068	9	3
Meter rents, sale of unserviceable tools and plant, sale of rights of cutting grass, &c., and sundry other items	10,197	11	2
Net profit on sale or issue of water works fittings, &c., for 1899-1900, 1900-1901 and 1901-1902	27,010	12	0
Rs.	54,277	0	5
Less—			
Decrease under water supplied to Municipal Departments	7,028	12	2
Total ...Rs.	47,248	4	3

(*g*) *Market Receipts* shew an increase of Rs. 13,253-9-5, principally under stall rents, squatters' fees through contractors and fair ground and feeding fees from contractors. The increase would have been larger, but for a falling off of over Rs. 8,500 under slaughter fees.

(*h*) *Miscellaneous Receipts.*—The increase of Rs. 7,236-10-0 was derived entirely from larger realizations on account of rent of chawls and reclamation lands (Public Health Department).

(*i*) *Miscellaneous Fees* shew an increase of Rs. 8,765-4-7 under skinning dead animals (Public Health Department) and building fees (Engineer's Department).

(*j*) *Miscellaneous Savings.*—A large number of Municipal employés (principally of the Engineer's and Health Departments) not having claimed their wages within the period of limitation, the amount of such wages which exceeded the estimate by Rs. 5,636-7-1 was credited to Miscellaneous Savings.

(*k*) *Profit on Municipal Workshops.*—Rs. 9,567-10-1. An explanation of this item will be found at page 26 of this Report.

(*l*) *Net Profit on Sale of Stores to Contractors, &c.*—The adjustment of the profits realised by sale of stores, &c., during 1900-01 and 1901-02, and of the value of articles found surplus in the Drainage and General Stores accounts for the increase of Rs. 19,252-3-3 under this head.

(*m*) *Interest and Profit on Investments of Surplus Loan and other Balances.*—The excess realization amounted to Rs. 82,066-9-3. Of the total realization amounting to Rs. 1,62,066-9-3, Rs. 61,850-0-1 were derived as interest from investments in 5 per cent. Municipal and 4 per cent. Municipal, Port Trust and Improvement Trust Debentures, Rs. 5,399-7-4 as interest on Current Account Deposits, Rs. 81,042-1-10 as interest on Fixed Deposits with local banks in sums varying from one lakh to ten lakhs and for periods ranging from seven days to three months, and Rs. 15,775 as profit by the exchange of 4 per cent. City of Bombay Improvement Trust Debentures with 4 per cent. Municipal Debentures and Port Trust Bonds. The average rate of interest received on Fixed Deposits was 4·44 per cent. per annum against 4·23 per cent. per annum realized in the preceding year.

II.—Comparison between Revised Estimates and Actuals.

16. Appendix No. 2 gives details of the variations. It will be seen therefrom that the increases in the different items aggregate Rs. 1,46,693-2-2, against which the decreases amount to Rs. 1,07,963-8-11. Thus the net result is an increase of Rs. 38,729-9-3. The principal variations are in the following items :—

(*a*) *Property Taxes.* (*General, Halalkhore and Water Taxes*).—The decrease of Rs. 31,990-4-7 under General and Halalkhore Taxes are due to an oversanguine estimate; but

they are more than counterbalanced by the increase of Rs. 32,120-4-3 under Water Tax and other Miscellaneous Water Works Revenue, due to the adjustment of profit by sale and issue of water works fittings, &c., in 1901-02 and the previous two years.

(*b*) *Town Duties.*—The decrease of Rs. 62,876-13-6 is due to the refund for the last four months of the year having been heavier than anticipated.

(*c*) *Tramway Rent.*—When the Revised Estimates for 1901-02 were framed, it was expected that the suit filed by the Tramway Company would not be decided, and that the rent question would not be settled before the close of the year. Consequently, the rent for two years was included in the Budget Estimate of income for 1902-03. The suit having however been decided before the close of 1901-02, it was possible to recover the rent for that year. Hence the increase of Rs. 50,053-14-10. In the accounts for 1902-03 there will be a corresponding decrease in revenue.

(*d*) The increases of Rs. 5,636-7-1, Rs. 9,567-10-1 and Rs. 13,252-3-3 under Miscellaneous Savings, Profit on Municipal Workshops, and Profit by Sale of Stores, &c., respectively, are due to the same causes as are explained at page 17.

(*e*) The increase of Rs. 18,066-9-3 under Interest and Profit on Investments of Surplus Loan and other balances is due partly to larger realisations of interest on Fixed Deposits and partly to the adjustment of the profit obtained by the interchange of City of Bombay Improvement Trust Debentures with 4 per cent. Municipal and Port Trust Debentures.

III.—Comparison between the Actuals of 1900-01 *and* 1901-02.

17. In paragraph 9 of this Report I have touched upon the causes operating to produce a reduction of Rs. 6,36,119 in the actuals for 1901-02 as compared with 1900-01. The decrease in revenue is due not to any falling off in the principal sources of our income, but is the result of reductions made in the rate of taxation levied during the year in General Tax and Town Duties. Eliminating arrear recoveries, amounting to Rs. 1,17,431, made during the year on account of the larger outstandings at the close of the preceding year, and allowing for the reduction of Rs. 3,37,232 made under legal advice in the Water Taxation on Municipal Properties, levied in previous years, the income from "Property Taxes" continues to shew a most satisfactory expansion.

Excluding Town Duties, "Taxation Proper" shews a decrease of Rs. 2,83,499-12-2, due to the General Tax having been reduced from 12 per cent. to 10 per cent. Had taxation stood at its maximum, the "General Tax" would have yielded Rs. 30,86,401 against Rs. 28,94,971 in 1900-01.

The large decrease of Rs. 2,69,247-9-0 under Town Duties is the result partly of the reduction in the rates of the duties on grain and firewood and of less imports of grain and sugar, and partly to heavy refunds on account of exports made in the previous year.

Under "Service Rendered," the accounts shew a net decrease of Rs. 1,14,515-7-1. Allowing for the reduction in the tax on Municipal Properties of Rs. 3,37,232 as noted above, the receipts for the year amount to Rs. 26,72,791 against Rs. 24,50,074 in 1900-01.

The returns from "Property and Miscellaneous" shew an increase of Rs. 31,144, of which Rs. 22,438 represents the interest realised on different Funds which had to be reinvested. There are increases aggregating Rs. 49,354 under Market Receipts, Miscellaneous Fees, Profit on Municipal Workshops, Profit on Sale of Stores, and other items, against which there is a decrease of Rs. 40,648 under Miscellaneous Receipts and Fines, leaving a net increase of only Rs. 8,706.

Summing up the position in 1901-02 as compared with 1900-01, it may be stated that allowing for the recovery of the previous year's outstandings for reduced taxation and for non-recurring exceptional items of increase and decrease, the results of the year under report shew a substantial increase in revenue of over two and a half lakhs.

Octroi Duties.

18. As usual the various articles on which duty was levied at the time of import under the provisions of Section 192 (. of the Municipal Act, the amount levied and the refunds allowed thereon under Section 192 (2) on their export are shewn in Appendix No. 3.

19. The gross collections for the year having been estimated at Rs. 21,34,000, and the refunds at Rs. 10,34,000, a net revenue of Rs. 11,00,000 was provided in the Budget for 1901-02.

20. The actual realizations were more than the estimate by Rs. 55,404 entirely under Sugar. But as the refunds paid during the year were more than the estimate by Rs. 2,70,721, there was a net decrease of Rs. 2,15,317, which, together with the increase of Rs. 22,560 in the closing balance at the end of the year as compared with that in the beginning of the year brought the total decrease to Rs. 2,37,877. The net revenue collected in the year amounted to Rs. 8,62,123 against Rs. 11,31,371 in the preceding year, and the net realization after deducting the cost of collection amounted to Rs. 7,63,770 against Rs. 9,99,133 in 1900-01.

21. Comparing the gross collections for the year under review with those in the preceding year, it will be seen that there were increases amounting to Rs. 12,500 under Wines and Spirits and Beer, while there were decreases amounting to Rs. 9,07,105 under Grain, Sugar, Ghee, Timber and Firewood :—

Articles.	Actuals for 1900-01.	Actuals for 1901-02.	More.	Less.
	Rs.	Rs.	Rs.	Rs.
Grain	11,82,953	5,42,702	.....	6,40,251
Flour	61	46	.....	15
Wines and Spirits	2,35,383	2,43,165	7,782	.....
Beer	36,204	40,922	4,718	.....
Sugar	11,54,320	9,59,368	.....	1,94,952
Ghee	2,77,499	2,36,183	.....	41,316
Timber	1,26,814	1,24,859	.....	1,955
Firewood	70,775	42,159	.....	28,616
Total ...	30,84,009	21,89,404	12,500	9,07,105
				12,500
		Net Decrease Rs. ...		8,94,605

The large decrease under grain was due to smaller imports on account of smaller demands from famine districts, and to the rate of town duty having been reduced from annas 6 to annas 4 per candy from 1st April 1901. The decrease under "Firewood" is also due to the reduction in the rate from annas 2 to anna 1 per candy. The decreases under Sugar and Ghee are due to smaller imports, probably the result of smaller demands in the famine districts.

REVENUE EXPENDITURE.

I.—Grants for Expenditure from Current Revenue.

22. From Appendix No. 4 it will be seen that the grants originally sanctioned by the Corporation under Section 129 of the Municipal Act aggregated Rs. 81,12,872, exclusive of those for water charges in respect of Municipal properties which, under Counsel's opinion, can only be levied in respect of those buildings which the Corporation have let or have the power to let. To this sum were subsequently added (1) Rs. 5,51,095-2-10 on account of lapsed grants for 1900-01 renewed by the Standing Committee in 1901-02, (2) Rs. 2,65,843-12-6 on account of lapsed grants for 1899-1900 and previous years (including transfers not utilized in 1901-02) sanctioned by the Corporation in 1901-02, (3) Rs. 1,90,762 on account of additional grants sanctioned for unforeseen expenditure during the year (Rs. 1,20,969-0-10) plus a reserve of Rs. 69,792-15-2 for further grants. The total grant thus arrived at amounting to Rs. 91,20,572-15-4 was reduced by savings amounting to Rs. 70,872-2-4 taken credit for in the Revised Estimate of Expenditure for 1901-02 approved by the Corporation. The final grants for revenue expenditure thus stood at Rs. 90,49,700-13-0. The transfers made from one Budget head to another without in any way affecting the total Budget provision for the year amounted to Rs. 79,317-3-3.

The reserve of Rs. 69,792-15-2 for additional grants was not utilised and lapsed to Surplus Cash Balance at the close of the year.

II.—Comparison between Grants as finally amended and Actuals.

23. The grants finally made available for expenditure during 1901-02 aggregated Rs. 90,49,700-13-0 (*vide* Appendix No. 5). The actual booked outlay amounted to

Rs. 82,26,457-13-2, thus leaving an unexpended balance of Rs. 8,23,242-15-10. Of this sum Rs. 6,00,431-6-1 require renewal for expenditure in 1902-03, thus leaving a net saving against allotted grants of Rs. 2,22,811-9-9, of which Rs. 69,792-15-2 represent the unappropriated balance of the reserve for additional grants as stated in paragraph 22 above. The net saving on sanctioned grants, therefore, amounted to Rs. 1,53,018-10-7 or about 1¾ per cent. of the total sanctioned grants.

24. The principal variations between the actuals and allotted grants which call for remarks are in the case of (1) Assessment and Collection Department, (2) Public Works (Engineer's) Department, (3) New Works, (4) Public Health Department, and (5) Miscellaneous, in which there are savings aggregating Rs. 1,34,463 as under :—

Assessment and Collection Department...	Rs.	11,633
Public Works (Engineer's Department)	„	23,930
New Works	„	13,618
Public Health Department	„	69,063
Miscellaneous	„	16,219
Total ...	Rs.	1,34,463

leaving minor savings aggregating Rs. 18,556 under other service heads.

A. Assessment and Collection Department.—The saving of Rs. 11,633, accrued chiefly owing to (1) the full establishment grants not being utilized, (2) to the commission payable to the two Railway Companies for collecting town duties having been over-estimated, and (3) to the grant for public land conveyance license establishment not being fully required.

B. The saving of Rs. 23,930 under Public Works Engineer's Department was contributed to by the three branches of the Engineer's Department, as under :—

General and Streets and Buildings	Rs.	9,016
Water Works	„	2,637
Drainage	„	12,277
Total ...	Rs.	23,930

and was effected mainly in establishment, lighting charges and repairs, and alterations to drains and gutters.

C. New Works.—The saving of Rs. 13,618 effected on works completed within the sanctioned grants was distributed as under :—

Drainage	Rs.	893
Water Works	„	4,657
Streets and Buildings	„	2,196
Sanitary and other Minor Works	„	5,872
Total ...	Rs.	13,618

D. Public Health Department.—Of the saving of Rs. 69,063 in this Department, Rs. 51,380 accrued under General Supervision and Conservancy. The balance of Rs. 17,683 was effected under Markets and Slaughter Houses (Rs. 5,791), Cemeteries (Rs. 5,104) and the rest under other minor heads. The large saving of Rs. 51,380 under General Supervision and Conservancy is attributable principally to the favourable contract rates for the supply of grain, hay and other food stuffs for Health Department bullocks, as sanctioned in Standing Committee's Resolution No. 12040, dated 13th February 1901, and to savings in establishment, stores, rent and repairs. The average cost of feed per pair of bullocks amounted to Rs. 18½ per mensem against the Budget Estimate of Rs. 19 per month and against the cost of Rs. 21-15-7 per pair per month incurred in 1900-01.

The saving of Rs. 5,791 under Markets and Slaughter Houses, accrued under Lighting, Meat Carriage, Grazing Cattle brought for slaughter, Rent and Repairs, &c., Grants.

Almost the whole of the saving of Rs. 5,104 under Cemeteries was obtained from the grant for firewood.

E. Miscellaneous.—Of the saving of Rs. 16,219, Rs. 7,398 accrued under Pensions, Gratuities and Compassionate allowances ; Rs. 5,151 under expenses in connection with the vacation of the portion of the ground occupied by the Municipal Workshops, and Rs. 3,670 under Discretional Contingencies and Loss on depreciation on Water Works obsolete Stores, &c.

The saving under Pensions can be attributed partly to the amount renewed in previous years on account of certain pensions not drawn for long periods, owing presumably to the death of the pensioners, having been allowed to lapse, and partly to the grant for the year under report not being fully required.

III. Lapsed Grants.

25. The unexpended balances of the allotted grants aggregated Rs. 8,23,242-15-10, of which Rs. 6,00,431-6-1 are proposed to be renewed during 1902-03 for payment of liabilities incurred but not discharged up to the close of the year under report, and for the completion of works, supplies, etc. The heads under which renewals are required will be found in Appendix No. 5.

As compared with the year 1900-01 the amount requiring renewal is less by Rs. 2,16,507-9-3. The percentage of renewed grants to grants allotted (excluding actual savings) during the year was 6·8 per cent. against 8·7 per cent. in 1900-01 and 11·2 in 1899-1900. The decrease is satisfactory, and with continued attention will, I am confident, be still more marked in future years.

IV. COMPARISON BETWEEN THE ACTUAL EXPENDITURE DURING 1900-01 & 1901-02.

26. The expenditure during the year was less than in the preceding year by Rs. 3,57,600 as brought out in Appendix No. 5. This reduction was due partly to the discontinuance of the levy of water charges in respect of Municipal properties (excepting those which are let by the Corporation) and partly to the cessation of the payment of grain compensation to Municipal employés.

A. General Superintendence.—The decrease of Rs. 15,008 is the result of exceptionally heavy charges in 1900-01 for printing, stationery and contingencies and of payment made in that year on account of the Acting Commissioner's salary during the absence of the permanent incumbent on privilege leave.

B. Assessment and Collection Department.—The reduction of Rs. 32,715 is solely due to heavier payments in 1900-01 for commission on the collection of Town Duties.

C. Fire Brigade.—The increase of Rs. 3,089 is due partly to the purchase of fire appliances and partly to the heavier payment of interest on the Fire Brigade Loan.

D. Public Gardens.—The decrease of Rs. 12,186 is attributable to the discontinuance of the levy of water charges during the year and to the construction of several new works in the Victoria Gardens in 1900-01.

E. Public Works (Engineer's) Department—Almost all the branches show decreases. In the Drainage Branch the reduction of Rs. 88,647 is nominal, inasmuch as there was a charge of over Rs. 1,15,000 in 1900-01 for supply of water, which was discontinued in 1901-02 for reasons already explained in para. 22. Eliminating this factor there was an increase of slightly over Rs. 26,000 in the expenditure, consequent on enhanced outlay at the new Air Compressor Station at Love Grove and to increased pumping of sewage owing to the further draining of the City. In the Water Department special expenditure in 1900-01, amounting to about Rs. 20,000 in connection with metering of properties principally accounts for the decrease of over Rs. 15,000 in 1901-02. As in the Drainage Branch, so in the Streets and Buildings Branch, charges for water, amounting to Rs. 56,000 levied in 1900-01, account principally for the decrease of nearly Rs. 74,000 in 1901-02. The real decrease for the year is thus reduced to Rs. 18,000, which is the net result of the grant for road repairs not having been fully utilized and increases in payment for set-back lands and public lighting.

F. New Works.—Increase, Rs. 45,291. The same provision was made as in previous years. The increase is, therefore, the result of a large number of works sanctioned in previous years having been carried out during the year.

G. Public Health Department.—There are increases amounting to Rs. 30,541 under certain heads, and decreases under others amounting to Rs. 1,91,955, thus showing a net decrease of Rs. 1,61,414, which can be explained on broad lines as attributable to the discontinuance of the levy of water charges on Municipal properties in charge of the Health Department, except those actually let, and to the contract rates for the supply of fodder, &c., for the cattle being much less than in the preceding year. The increases appear chiefly under General Supervision, Infectious Diseases, Dispensaries and Census, while the decreases have occurred under Conservancy Branch, Markets, Cemeteries, Dhobiwada and Milch Cattle Stables.

I. In "General Supervision," higher emoluments and the accrual of increments account for the increase. At the Arthur Road Hospital there was a larger share debitable to Rs. of the expenses incurred at that institution. The more extended use of the free dispensaries started for the poor, accounts for the increase under Dispensaries, while under "Census" the increase was due to the census operations carried out in 1901-02.

II. In the Conservancy branch, the superintendence proved more expensive owing to higher emoluments, and higher charges were also incurred for the Halalkhore service, but these were more than counterbalanced by the non-levy of water charges, except for properties which the Corporation do let or have the power to let and the reduced charges for feed of cattle consequent on lower contract rates having been obtained.

III. Markets and Slaughter Houses show a decrease of Rs. 52,493, of which Rs. 33,450 are due to the non-levy of water charges. The remaining decrease is explained by favourable contract rates for fodder, &c., for cattle and by less expenditure under contingencies, rent, repairs, &c.

IV. Cemeteries show a decrease of Rs. 5,771 under Feed of Horses, Stores and Firewood, and Water-supply.

V. *Dhobiwada.*—There is a decrease of Rs. 15,061 wholly under Water-supply.

VI. The minor decreases aggregating Rs. 4,145-13-8 under Milch Cattle Stables, Vaccination, &c., need no explanation.

H. Miscellaneous.—The decrease of Rs. 1,67,239 is due mainly to larger compassionate allowances paid in 1900-01, to the practical cessation of grain compensation allowance, which in 1900-01 cost this Municipality over Rs. 1,30,000, and to a heavy write-off of over Rs. 2½,000 in 1900-01 on account of loss and depreciation on obsolete and unserviceable stores.

I. Municipal Debt.—The total increase of Rs. 1,56,689 is made up of increased payments of (1) Rs. 45,915 under interest, (2) Rs. 309 under charges on loans, (3) Rs. 88,833 under Sinking Fund instalments and (4) Rs. 21,632 under investment of interest realized on Sinking Fund securities.

Against the above increase of Rs. 1,56,689, there is a decrease of Rs. 3,424 under payments towards the reduction of debt, thus showing a net increase of Rs. 1,53,265.

The amount of interest paid on the loans aggregating Rs. 17 lakhs raised during the year and on Rs. 6 lakhs of the Plague Loan raised in November 1900, the first interest on which accrued in 1901-02, amounted to Rs. 37,051, which, together with the larger payment of Rs. 8,864 on account of interest payable on former loans during the year, plus outstandings, brought the total increase of Rs. 45,915. The increase of Rs. 88,833 under payments towards the investment of Sinking Fund represents the Sinking Fund instalments of the 19½ lakhs and the 20 lakhs Plague Loans, which became due in this year.

The accrual of a larger amount of interest during the year on the Sinking Fund of the different Municipal Loans which had to be re-invested accounts for the increase of Rs. 21,632 under investment of interest realized on Sinking Fund.

SURPLUS CASH BALANCE.

Appendix No. 8.

27. The surplus cash balance at the close of the year, excluding the minimum balance of Rs. 1 lakh required by law, stood at Rs. 18,33,401 as shown in Appendix No. 8. This is an advance on the original Budget Estimate of Rs. 4,19,401. On the figure estimated at the time of preparing the Revised Estimate for the year there is an increase of Rs. 2,71,401, attributable to the income realized being greater by Rs. 38,730, to savings in expenditure aggregating Rs. 2,22,811 and to a reduction in the balance of Reserve Stock amounting to Rs. 9,860.

28. The Surplus Cash Balance as booked amounts to Rs. 18,33,401 *and is inclusive of Rs. 12,98,478 advanced for plague expenditure up to 31st March 1902.* To arrive at a just estimate, however, of the Surplus Cash Balance really at our disposal for expenditure on works and projects not already specifically provided, it is necessary to point out that from this paper surplus has to be met, the deficit of Rs. 4,70,511 provided in the Budget Estimate for 1902-03, as also a further sum of Rs. 50,000 for Tramway rent for 1901-02, which was expected to be recovered in 1902-03 but was actually realised in the year under review.

This Surplus Cash Balance has also to provide for the payment of an estimated sum of Rs. 5,12,000 to the City Improvement Trust on the 1st April 1903, and it will be further entrenched upon to meet the amount short provided in the Budgets for 1901-02 and 1902-03 on account of interest payable on Municipal Debentures to the extent of Rs. 2,00,000. Deducting, therefore, from the total Surplus Cash Balance of Rs. 18,33,401, the provision

required for the services named above, aggregating Rs. 12,32,511, the comparatively small sum of Rs. 6,00,890 remains as the surplus. From even this small sum have already, during the year 1902-03, been hypothecated sums amounting to Rs. 1,01,958 for extra works not specially provided in the budget, and a further grant of Rs. 63,117 will be necessary for arrears of Police charges payable to Government. The Surplus Cash Balance, after taking all these factors into account, is thus reduced from Rs. 18,33,401 to Rs. 4,35,815, and even this balance is arrived at on the assumption that the advance of Rs. 12,98,478 made for plague expenditure is to be met from a source other than Revenue.

DEBT AND SINKING FUND.

Appendix No. 6.

29. The total Municipal Debt at the beginning of the year aggregated Rs. 4,44,04,760, of which Rs. 24,88,260 were due to Government, and the balance of Rs. 4,19,16,500 were owing to the public.

During the year Rs. 6 lakhs being the 1st instalment of the 24¾ Lakhs Loan for the construction of certain Sewerage and Water Works were taken up by the Municipality for the investment of its Sinking Funds and surplus moneys as provided for in the Loan application and the 2nd instalment of Rs. 11 lakhs of the Loan was raised from the public. The amount paid to Government during the year towards the reduction of the Vehar Debt amounted to Rs. 14,700, and Rs. 73,000 were paid to debenture-holders of the Drainage Loan of 1878. There was thus a net increase of Rs. 16,12,300 in the Capital Debt of the Municipality, which at the close of the year aggregated Rs. 4,60,17,060, of which Rs. 24,73,560 were due to Government.

Against this debt the Sinking Fund investments at 31st March 1902 aggregated Rs. 35,73,861, leaving a net debt liability of Rs. 4,24,43,199.

From Statement No. 7 it will be observed that the total interest paid to the public on the different Municipal Loans amounted to Rs. 19,68,190-12-10, which, together with the interest amounting to Rs. 99,275-10-2 paid to Government on the Vehar Debt, aggregated Rs. 20,67,466-7-0. The outstanding interest on different loans (including the Fire Brigade Loan) at the close of the year amounted to Rs. 2,39,275 against Rs. 2,40,620 in the preceding year.

RAISING OF LOANS.

30. In the Loan Works Budget Estimate for the year under review provision was made for the raising from the public of a loan of Rs. 19 lakhs, *i.e.*, Rs. 11 lakhs on account of the 24¾ Lakhs Loan and Rs. 8 lakhs on account of the Plague Loan. This intention was not given effect to, as a revised forecast of expenditure showed that with the available balances in hand there was no necessity to approach the public for so large a sum. The total amount to be raised was, therefore, reduced to Rs. 11 lakhs, the Plague Loan being kept in abeyance.

The instalment of 11 lakhs of the 24¾ Lakhs Loan was raised from the public at rates varying from 96¼ per cent. to 99¾ per cent., the average rate realized being Rs. 96-15-1 ·6473 per cent.

The discount on the above loan amounting to Rs. 33,593-2-0 was met from the Net Premia Fund.

EXPENDITURE ON LOAN WORKS.

Appendix No. 13, pages 75, 77 and 79.

31. The total expenditure on Loan Works excluding plague expenses aggregated Rs. 7,06,259 during the year against Rs. 8,44,135 in the preceding year, showing a decrease of Rs. 1,37,876. The expenditure was distributed as follows :—

Sewerage and Drainage Works	Rs. 6,34,573
Water Works...	„ 6,070
Roads	„ 18,497
Sanitary and Minor Works...	„ 47,119
Total...	Rs. 7,06,259

PLAGUE EXPENDITURE.

Appendix No. 10.

32. The amount expended on plague operations during the year (excluding expenditure on discretional relief and on the construction of camps paid out of the funds received from Government) was Rs. 4,43,616 against Rs. 6,80,425 in the preceding year, showing a decrease of Rs. 2,36,809, the principal reductions being under Establishment, Contingencies, Inoculation Expenses, Food-supply to Hospitals, Disinfectants, Medicines and Medical Appliances, Repairs and Maintenance of Sheds, Hospitals, &c., Arthur Road Hospital, Expenses, &c.

Including the expenses amounting to Rs. 50,77,738 incurred on Plague Operations up to the 31st March 1901 as detailed at page 47 of my Financial Report for 1900-01, the total expenditure on Plague Operations from the commencement up to the 31st March 1902 aggregated Rs. 55,21,354, which was financed as follows:—

From the 1st and 2nd Instalments of the Plague Loan ...	Rs.	12,00,000
From the Government Contribution	,,	14,50,000
Advanced from Loan Fund Balances	,,	15,72,876
Do. the Municipal General Fund	,,	12,98,478
Total ...	Rs.	55,21,354

33. The total expenditure on Plague Operations during the year, including that incurred on the construction of camps and discretional relief, amounted to Rs. 4,96,369-14-10 against Rs. 7,40,242-0-2 in the preceding year.

The final adjustment of the accounts in regard to the expenditure incurred by the Municipality on behalf of Government and *vice versâ* was very considerably advanced during the year, and a few claims only outstand now awaiting final settlement.

Government Contributions for Construction of Health Camps and Discretional Relief.

34. *Plague Camps.*—The net amount placed by Government at the disposal of the Municipality up to the end of March 1901 for expenditure on Plague Camps amounted to Rs. 1,27,000, out of which an unexpended balance of only Rs. 1,078-14-2 was left with the Municipality on 31st March 1901. To this balance was added a further contribution of Rs. 45,000 from Government during 1901-02. Thus a sum of Rs. 46,078-14-2 was made available during the year. The expenditure incurred during the year amounted to Rs. 44,110-0-9 against Rs. 34,249-3-6 in the preceding year. The balance left with the Municipality at the end of the year amounted to Rs. 1,968-13-5 including certain unpaid wages amounting to Rs. 180-2-0. The total expenditure on Health Camps paid out of the Government grant from the commencement of the operations up to the close of the year 1901-02 aggregated Rs. 1,70,031-2-7 against the net amount of Rs. 1,72,000 received from Government.

35. *Discretional Relief.*—From the unexpended balance of Rs. 2,879-5-0 remaining with the Municipality on 31st March 1901 on account of expenditure on Discretional Relief, a sum of Rs. 2,000, which was not needed for immediate requirements, was refunded to Government, leaving a balance of Rs. 879-5-0 with the Municipality. To this were added during the year a further contribution of Rs. 2,000 received from Government, and Rs. 6,230-12-6 on account of unexpended balances of advances refunded by District Officers. Thus the total amount available for expenditure was Rs. 9,110-1-6. The actual expenditure incurred during the year amounted to Rs. 8,643-14-10 against Rs. 25,567-9-0 in the preceding year. The balance left with the Municipality on 31st March 1902 amounted to Rs. 466-2-8. The net advance received from Government for Discretional Relief expenditure from the commencement up to 31st March 1902 amounted to Rs. 1,21,230-12-6 (including the advances aggregating Rs. 6,230-12-6 refunded by District Officers), against which the actual expenditure incurred amounted to Rs. 1,20,764-9-10.

LIABILITIES AND ASSETS.

Appendix No. 9.

36. The liabilities at 31st March 1902 aggregated Rs. 4,65,83,035, while the assets are represented at Rs. 6,19,35,551, giving an excess of assets over liabilities of Rs. 1,53,52,516. Of the liabilities, Rs. 4,60,17,060 form the gross debt due by the Corporation, Rs. 4,94,194 are deposits due to contractors, deposits received for work to be done and obligations undertaken, and Rs. 53,911 represent charges admitted but not paid; and a small item of Rs. 17,870 makes up the total of Rs. 4 65,83,035.

As compared with the previous year when the liabilities aggregated Rs. 4,50,52,756, there was an increase of Rs. 15,30,279. The net increase in the Municipal Debt was Rs. 16,12,300 as stated in paragraph 29, but owing to decreases of (1) Rs. 56,134 under Deposits due to the adjustment of the deposits lodged by the Port Trust on account of certain drainage works carried out on their account, and (2) of Rs. 25,887 under Cheques Payable, the net increase in the liabilities of the Municipality amounted to Rs. 15,30,279.

37. The assets aggregating Rs. 6,19,35,551 may be distributed thus:—

A.	Cash and Paper available for expenditure on revenue and capital projects—		
	(1) Cash Balance	...Rs. 2,21,566	
	(2) Surplus Cash Deposit	... „ 11,11,741	
	(3) Loan Funds...	... „ 25,66,019	
			Rs. 38,99,326
B.	Sinking Funds Investments...		„ 35,73,861
C.	Special Funds Investments		„ 6,10,236
D.	Advances Recoverable and Paper Deposits		„ 4,68,023
E.	Reserve Stock...		„ 7,10,597
F.	Properties		„ 5,26,73,508
		Total...Rs.	6,19,35,551

As compared with the preceding year, when the assets were placed at Rs. 6,06,80,111, there is an increase of Rs. 12,55,440 during the year under report. This increase is explained chiefly by the addition of Rs. 5,25,334 to the Sinking Funds of different Municipal Loans, to the execution of Loan Works to the extent of Rs. 7,06,259, and to large advances made for the execution of Drainage Works in house gullies on account of house owners in different parts of the City.

38. The Reserve Stock balance of Rs. 7,10,597 does not correctly represent the actual value of the stock in hand.

As stated in the Financial Report for 1900-01, the values assigned to properties also require revision, by allowing depreciation, by the write-off of the properties which no longer exist, and by the inclusion of the properties which have been acquired from revenue sources. Without the grant of the further assistance asked for by me, it is impossible to devote time to effect the necessary improvements in this direction.

A statement of the invested balances at 31st March 1902, as compared with those at the close of the preceding year, has been attached as Appendix No. 9 B.

WATER WORKS ACCOUNT.

Appendix No. 11.

39. I—*Income and Expenditure.*—The income derived during the year from water and water fittings supplied and services rendered was Rs. 15,47,120, including Rs. 24,843, charged for water-supply to the Municipal buildings for which rent is realized. The receipts from interest from special invested funds were Rs. 22,933, raising the total receipts to Rs. 15,70,053. The expenditure of the year aggregated Rs. 16,52,304, of which the maintenance and general working of the Water Works absorbed Rs. 2,88,416 ; New works costing Rs. 20,485 were undertaken ; investment accounts for Rs. 47,933 and Rs. 7,464 were written off as loss and depreciation on obsolete water works stores, while the interest paid to Government and the public amounted to Rs. 11,25,912, and the discharge of principal of debt due and payments towards Sinking Fund aggregated Rs. 1,62,094. It will be seen from the appendix that the expenditure exceeded the income by Rs. 82,251, which sum was met from the general revenues of the Municipality. As compared with the preceding year the income for the year was less by Rs. 1,85,718, but excluding the inter-departmental charges amounting to Rs. 3,37,231 levied in 1900-01, which were discontinued in 1901-02, the income for the year shows an increase of Rs 1,51,513. The expenditure for the year was more than that for the preceding year by Rs. 2,126.

Appendix No. 12.

40. II.—*Assets and Liabilities.*—The liabilities which in the beginning of the year amounted to Rs. 2,41,80,188, were increased during the year by Rs. 2,73,000, the Water Works portion of the loan raised in 1901-02. Deducting from the latter sum Rs. 38,828 on

account of payment made towards the reduction of the Vehar Debt and the repayment of the Water Works portion of the Drainage Loan of 1878, the net increase was Rs. 2,34,172. The total liabilities at the close of the year were thus increased to Rs. 2,44,14,360, of which Rs. 24,73,560 was owing to Government and the rest to the public.

The assets amounted to Rs. 2,82,06,110, showing an increase of Rs. 43,135 over that of the preceding year. The assets were made up of properties of the value of Rs. 2,77,15,141 and investments amounting to Rs. 4,90,969. The excess of assets over liabilities amounted to Rs. 37,91,750 or Rs. 1,91,037 less than in the preceding year. This excess of assets over liabilities is represented entirely by the repayment of debt charges to the extent of Rs. 38,16,690.

STORES.

41. The balance of reserve stock in hand, according to the general books at the close of the year aggregated Rs. 7,10,596-9-2 against Rs. 7,20,456-10-6 at the close of the preceding year, showing a decrease of Rs. 9,860-1-4. The distribution between the various departments of the Municipality at the beginning and at the end of the year was as under :—

Departments.	1900-1901.	1901-1902.	More.	Less.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Chief Accountant	20,196 9 2	21,882 12 3	1,686 3 1	.....
Water Works	3,76,838 8 6	3,77,211 15 1	373 6 7	.....
Drainage	3,04,603 1 7	3,01,736 4 3	.....	2,866 13 4
Executive Engineer	17,437 11 5	6,854 14 6	.....	10,582 12 11
Plague	1,380 11 10	2,910 11 1	1,529 15 3	.....
	7,20,456 10 6	7,10,596 9 2	3,589 8 11	13,449 10 3
				3,589 8 11
			Total...Rs.	9,860 1 4

42. The only noticeable reduction that has taken place during the year was in connection with the stock of kerosine oil kept by the Engineering Department, the reduction being due to small stocks of 150° oil having been purchased during the year, instead of large quantities, owing to the projected substitution of the use of 125° for 150° oil. At the Palton Road Stores, which are in my charge, the purchases and issues of stores were normal. At the Water Works Stores certain obsolete castings, which have been lying in the Stores unused for a number of years, were sold, and the loss resulting therefrom amounting to Rs. 7,464-9-2 was written off as per Corporation Resolution No. 7990, dated 26th September 1901.

The drainage stock would have shown an appreciable reduction, had not a large quantity of cement been purchased at the close of the year for the different sewerage works in progress.

43. I have repeatedly brought to notice that the values assigned to our stores are not the market values. I have also urged a systematic verification and an audit check over stores proposed to be purchased. Much has been done to bring our stores to market value, and in the direction of verification and audit check the Corporation are devoting their attention to the subject.

WORKSHOPS.

44. The opening balance was Rs. 18,828-7-2, or Rs. 740-1-9 less than that in the preceding year.

The cost of labour and the supervising staff employed and of stores used on the work turned out in the shops during the year amounted to Rs. 1,19,685-3-5, or Rs. 15,266-8-5 less than in the preceding year. The total expenditure of the year, including the opening balance, amounted to Rs. 1,38,513-10-7, against which recoveries made during the year, including Rs. 2,421-8-3 realized by the sale of stores, amounted to Rs. 1,41,002-4-7. The outstandings at the end of the year and incomplete jobs, amounted to Rs. 8,137-4-4 and Rs. 3,941-11-9, against Rs. 1,813-3-5 and Rs. 17,015-3-9, respectively, in the preceding year. The net profit realized amounted to Rs. 14,567-10-1 against the Budget Estimate of Rs. 5,000 and the sum of Rs. 8,943-0-9 realized in the preceding year.

GENERAL.

45. The strain on my department owing to the increased work alluded to in my Financial Report of 1900-1901 continued during the year under report, as will be seen from the following figures :—

Year.	Nature of work.				
	Cash payments to employes.	Receipt vouchers.	Disbursement vouchers.	Inward letters.	Outward letters.
	Rs.	No.	No.	No.	No.
1896-1897	18,34,083	21,336	50,327	20,579	5,665
1897-1898	19,93,311	22,217	53,907	20,362	6,117
1898-1899	22,98,450	22,039	57,798	22,545	10,433
1899-1900	25,18,276	25,044	61,429	23,676	10,636
1900-1901	26,73,065	25,093	109,685	23,896	12,382
1901-1902	25,03,956	25,160	83,208	21,166	11,786
Percentage of increase in 1901-1902 over 1896-1897	37%	18%	65%	3%	108%

PERSONAL.

46. I can only endorse the remarks made in previous reports as to the great assistance rendered to me by my Deputy Accountant, Mr. Maneckshah C. Talleyarkhan, by my Personal Assistant, Mr. Ruttonji Furdoonji Khambatta, and by my Head Audit Clerk, Mr. Bal Nilaji Pitale.

APPENDICES.

47. The following are the appendices attached to my report :—

No. 1. Revenue account.

No. 2. Statement of income realized during 1901-1902.

No. 3. Statement of Town Duties collected and the refunds paid in 1901-1902.

No. 4. Statement showing the final sanctioned expenditure grants for 1901-1902.

No. 5. Statement showing the expenditure for 1901-1902 as compared with the final sanctioned grants and with the actuals for the preceding year.

No. 6. Statement showing the outstanding loans due by the Municipality on 31st March 1902.

No. 7. Statement showing the interest outstanding on different Municipal loans on 31st March 1902.

No. 8. Statement showing the Surplus Cash Balance on 31st March 1902.

No. 8 (A). Statement showing the amounts of loans raised up to 31st March 1902, the expenditure incurred therefrom and the invested balances remaining on 31st March 1902.

No. 9. Statement of assets and liabilities up to 31st March 1902.

No. 9 (A). Statement showing the expenditure on different Loan Works up to 31st March 1902.

No. 9 (B). Statement showing the Invested Surplus, Loan and Reserve Funds Balances on 31st March 1902, as compared with those on 31st March 1901.

No. 10. Statement showing the expenditure on plague operations during 1901-1902.

No. 11. Water Works Income and Expenditure Account.

No. 12. Water Works Assets and Liabilities.

No. 13. Statement of total receipts and disbursements for the year ending 31st March 1902.

Appendix No. 1.

Revenue Account for 1901-1902.

Revenue.	Amount.	Total.	Grand Total.	Expenditure.	Amount.	Total.	Grand Total.
Taxation Proper.	Rs. a. p.	Rs. a. p.	Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.
1. General Tax	26,99,571 0 2			1. General Superintendence...	2,13,036 2 5		
2. Wheel Tax and Tolls	3,40,746 15 5			2. Assessment and Collection Department	2,94,003 11 0		
3. Town Duties	8,62,123 2 6			3. Fire Brigade	1,21,727 9 1		
4. Licenses	92,733 6 7			4. Public Gardens—Maintenance and New Works ...	57,684 9 11		
5. Receipts from Government for Liquor Licenses and Tobacco Duty	3,76,814 9 7	43,71,989 2 3		5. Public Works (Engineer's) Department	14,56,274 9 3		
Service rendered.				6. New Works	1,15,162 8 5		
				7. Public Health Department	20,07,064 5 6		
6. Halalkhore Tax	7,88,438 11 3			8. Police Charges	5,00,021 14 0		
7. Water Tax and other Miscellaneous Water Works Revenue	15,47,120 4 3	23,35,558 15 6		9. Education	1,12,513 1 11		
Returns from Property and Miscellaneous.				10. Hospitals	57,000 0 0		
8. Market Receipts	4,20,253 9 5			11. Pensions, Gratuities and Compassionate Allowances ..	56,439 15 4		
9. Public Gardens	9,955 5 9			12. Contribution to the City Improvement Trust... ...	4,81,000 0 0		
10. Tramway Rent	50,056 14 10			13. Miscellaneous	38,694 8 9		
11. Contribution from Municipal Servants towards Pension, &c., Fund	19,617 15 10			14. Municipal Debt—		55,10,622 15 7	
	Rs. a. p.			Interest and charges on Loans	20,51,641 7 1		
12. Interest and Profit on Investments of Surplus Loan and other balances ...	1,62,066 9 3			Reduction of debt and payment of Sinking Fund, including investment of interest accrued on Sinking Fund	6,04,934 1 7		
Interest on Sinking, Insurance, &c., Funds Investments	1,75,483 11 8					26,56,575 8 8	
	3,37,550 4 11			15. Investments—			
13. Miscellaneous Items	2,21,750 4 9			Worn out water mains renewal and Municipal Buildings Insurance Fund Investments	30,000 0 0		
		10,59,181 7 6		Interest on the Worn-out Mains Renewal, &c., Funds	29,259 4 11		
			77,66,729 9 3			59,259 4 11	
Deficit			4,59,728 3 11				82,26,457 13 2
		Total Rs. ...	82,26,457 13 2			Total Rs ...	82,26,457 13 2

W. E. WAITE,
Chief Accountant.

W. L. HARVEY,
Municipal Commissioner.

Appendix

INC

STATEMENT showing the Net Receipts during the Financial Year 1901-1902 from

Particulars.	Actuals for 1900-1901.	Budget Estimate for 1901-1902 as amended by Corporation Resolution No. 9007 of 17th October 1901.	Revised Estimate for 1901-1902.	Actuals for 1901-1902.
1	2	3	4	5
Taxation Proper.	Rs. a. p.	Rs.	Rs. a. p.	Rs. a. p.
General Tax at 10 per cent. (including Government and Port Trust Contribution)	at 12 per cent. 28,94,971 5 9	24,95,200	25,90,480 0 0	25,72,000 14 6
Additional at ½ per cent. for Fire Brigade charges	1,20,647 0 5	1,24,800	1,29,520 0 0	1,27,570 1 8
	30,15,618 6 2	26,20,000	27,20,000 0 0	26,99,571 0 2
Wheel Tax and Tolls	3,21,365 15 9	3,45,000	3,45,000 0 0	3,40,746 15 5
Town Duties	11,31,370 11 6	11,00,000	9,25,000 0 0	8,62,123 2 6
Licenses—				
(*a*) Dangerous and Offensive Trades	63,689 0 0	63,000	68,000 0 0	67,191 0 0
(*b*) Streets and Buildings	4,110 0 0	3,000	3,000 0 0	3,155 0 0
(*c*) Land Conveyance, Music, &c., Licenses	27,902 14 0	24,000	24,000 0 0	22,387 6 7
Receipts from Government for Liquor Licenses	1,43,750 0 0	1,44,000	1,43,750 0 0	1,43,750 0 0
Do. do. Tobacco Duty	2,16,929 8 0	2,14,000	2,24,250 0 0	2,33,064 9 7
	49,24,736 7 5	45,13,000	44,53,000 0 0	43,71,989 2 3
Service rendered.				
Halalkhore Tax	7,14,439 10 2	7,78,000	8,00,000 0 0	7,88,438 11 3
Water Tax and other Misc. Water Works Revenue	17,35,634 12 5	14,99,872	15,15,000 0 0	15,47,120 4 3
	24,50,074 6 7	22,77,872	23,15,000 0 0	23,35,558 15 6
Returns from Property and Miscellaneous.				
Market Receipts	4,14,936 9 4	4,07,000	4,17,000 0 0	4,20,253 9 5
Public Gardens	7,422 12 6	7,000	8,000 0 0	9,955 5 9
Tramway Rent	50,040 8 7	50,000	.....	50,053 14 10
Miscellaneous Fines	12,650 15 10	10,000	10,000 0 0	10,395 8 10
Do. Receipts	1,55,629 8 5	1,10,000	1,15,400 0 0	1,17,236 10 0
Do. Fees	38,175 13 8	35,000	45,100 0 0	43,765 4 7
Do. Savings	4,177 13 8	3,000	3,000 0 0	8,636 7 1
Contribution from Municipal Servants towards Pension, &c., Fund	18,834 12 3	19,000	19,500 0 0	19,617 15 10
Profit on Municipal Workshops	8,943 0 9	5,000	5,000 0 0	14,567 10 1
Actual Profit on Sale of Stores to Contractors, &c.	.....	4,000	10,000 0 0	23,252 3 3
Sale-proceeds of Unserviceable Tools and Plant, &c.	3,712 11 8	2,000	4,000 0 0	3,896 8 11
Interest and Profit on Investments of Surplus Loan and other Balances	1,60,467 15 4	80,000	1,44,000 0 0	1,62,066 9 3
Interest on 5, 4, and 3½ per cent. Municipal Loans Sinking Fund Investments	1,24,618 3 9	1,45,300	1,51,200 0 0	1,46,250 13 9
Interest on Municipal Buildings Fire Insurance Fund Investments	1,857 11 2	2,000	2,050 0 0	2,406 15 5
Interest on Worn-out Water Mains Renewal Fund Investments	15,815 0 3	17,500	17,500 0 0	18,395 6 5
Interest on the Investment of the Net Premia, &c., Fund	8,893 10 0	7,300	6,250 0 0	6,465 0 3
Do. do. School Building Fund	1,860 3 0	1,900	2,000 0 0	1,965 7 11
	10,28,037 6 2	9,06,000	9,00,000 0 0	10,59,181 7 6
Grand Total Rs.	84,02,848 4 2	*76,96,872	77,28,000 0 0	77,66,729 9 3
				Less .....
				Net Increase Rs.

* *Vide* Footnote at page XI of the Budget for 1902-03.

W. E. WAITE,
Chief Accountant.

No. 2.

O M E.

all Sources as contrasted with the original Budget Estimate and the Revised Estimate.

As compared with the original Estimate.		As compared with the Revised Estimate.		As compared with the actuals for 1900-1902.	
More.	Less.	More.	Less.	More.	Less.
6	7	8	9	10	11
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
76,800 14 6	.....	.....	18,479 1 6	.....	3,22,970 7 3
2,770 1 8	.....	.....	1,949 14 4	6,923 1 3	.....
79,571 0 2	.....	.....	20,428 15 10	6,923 1 3	3,22,970 7 3
.....	4,253 0 7	.....	4,253 0 7	19,380 15 8	.....
.....	2,37,876 13 6	.....	62,876 13 6	.....	2,69,247 9 0
4,191 0 0	.....	.....	809 0 0	3,502 0 0	.....
155 0 0	.....	155 0 0	.....	.....	955 0 0
.....	1,612 9 5	.....	1,612 9 5	.....	5,515 7 5
.....	250 0 0	.....	.....	.....	.....
19,064 9 7	.....	8,814 9 7	.....	16,135 1 7	.....
1,02,981 9 9	2,43,992 7 6	8,969 9 7	89,980 7 4	45,941 2 6	5,98,688 7 8
10,438 11 3	.....	.....	11,561 4 9	73,999 1 1	.....
47,248 4 3	.....	32,120 4 3	.....	.....	1,88,514 8 2
57,686 15 6	.....	32,120 4 3	11,561 4 9	73,999 1 1	1.88,514 8 2
13,253 9 5	.....	3,253 9 5	.....	5,317 0 1	.....
2,955 5 9	.....	1,955 5 9	.....	2,532 9 3	.....
53 14 10	.....	50,053 14 10	.....	13 6 3	.....
395 8 10	.....	395 8 10	.....	.....	2,255 7 0
7,236 10 0	.....	1,836 10 0	.....	.....	38,392 14 5
8,765 4 7	.....	.....	1,334 11 5	5,589 6 11	.....
5,636 7 1	.....	5,636 7 1	.....	4,458 9 5	.....
617 15 10	.....	117 15 10	.....	783 3 7	.....
9,567 10 1	.....	9,567 10 1	.....	5,624 9 4	.....
19,252 3 3	.....	13,252 3 3	.....	23,252 3 3	.....
1,896 8 11	.....	.....	103 7 1	183 13 3	.....
82,066 9 3	.....	18,066 9 3	.....	1,598 9 11	.....
950 13 9	.....	.....	4,949 2 3	21,632 10 0	.....
406 15 4	.....	356 15 4	.....	549 4 2	.....
895 6 5	.....	895 6 5	.....	2,580 6 2	.....
.....	834 15 9	215 0 3	.....	.....	2,428 9 9
65 7 11	.....	.....	34 8 1	105 4 11	.....
1,54,016 7 3	834 15 9	1,05,603 4 4	6,421 12 10	74,221 0 6	43,076 15 2
3,14,685 0 6	2,41,827 7 3	1,46,693 2 2	1,07,963 8 11	1,94,161 4 1	8,80,279 15 0
244,827 7 3		2,07,963 8 11		*Less*	1,94,161 4 1
69,857 9 3	Net Increase Rs. ...	38,729 9 3		Net Decrease Rs.	6,86,118 10 11

(Revised estimate Income for 1901-02.)

W. L. HARVEY,
Municipal Commissioner.

APPENDIX

STATEMENT showing the Quantity and Value of several Articles upon which Town Duty was

Duty collected by	Grain and Pulse at 4 Annas per Candy.			Flour of all sorts at 75 per cent. of the rate at the time being levied on the grain from which the flour is prepared.			Wines and Spirits at 4 Annas per Gallon.			Beer at 6 Pies per Gallon.		
	Candies.	Furrahs.	Amount of Duty.	Candies.	Furrahs.	Amount of Duty.	Gallons.	Pints.	Amount of Duty.	Gallons.	Pints.	Amount of Duty.
Bombay Port Trust.			Rs. a. p.			Rs. a. p.			Rs. a. p.			Rs. a. p.
April 1901	2,72,577	0	68,144 4 3	0	3	0 1 0	79,886	1	19,971 8 4	1,33,715	4	4,178 9 9
May ..... ,,	2,00,295	4	50,074 14 3	.....		.....	76,516	1	19,129 0 5	61,343	4	1,916 15 9
June ..... ,,	1,29,743	7	32,435 15 6	.....		.....	69,131	4	17,282 14 0	1,15,636	0	3,613 10 0
July ..... ,,	95,630	2	23,907 9 0	.....		.....	81,234	0	20,308 8 2	1,29,426	3	4,044 9 2
August ..... ,,	1,00,946	4	25,236 10 0	.....		.....	73,665	1	18,416 4 4	70,351	4	2,198 7 9
September ..... ,,	65,477	1	16,369 4 9	.....		.....	68,549	1	17,137 4 5	48,527	4	1,516 7 9
October ..... ,,	1,35,946	0	33,986 8 3	12	5	2 6 0	76,731	4	19,182 14 1	60,015	3	1,875 7 8
November ..... ,,	1,30,601	7	32,650 7 9	.....		.....	90,307	0	22,576 12 3	1,01,485	0	3,171 6 6
December ..... ,,	79,652	5	19,913 2 6	.....		.....	86,559	7	21,639 14 8	1,24,643	0	3,895 1 6
January 1902	90,469	7	22,617 7 6	10	3	1 15 3	98,501	1	24,625 4 4	1,48,670	4	4,645 15 3
February ..... ,,	1,14,647	6	28,661 15 0	.....		.....	85,267	8	21,316 15 10	1,77,603	0	5,550 1 6
March ..... ,,	1,83,000	3	45,750 1 9	5	0	0 15 0	86,601	5	21,400 6 10	1,11,959	4	3,498 11 9
Total...	15,98,992	6	3,99,748 4 6	28	3	5 5 3	9,71,951	1	2,42,987 11 6	12,83,376	6	40,105 8 4
G. I. P. Railway Company.												
April 1901	19,313	6	4,828 7 0	34	3	6 7 0	8	0	2 0 0	1,242	0	38 13 0
May ..... ,,	33,388	0	8,347 0 0	39	0	7 5 0	92	4	23 2 0	3,180	0	99 6 0
June ..... ,,	14,252	6	3,558 3 3	.....		.....	40	4	10 2 0	2,160	0	67 8 0
July ..... ,,	10,212	6	2,553 3 0	.....		.....	67	0	16 12 0	1,212	0	37 14 0
August ..... ,,	17,494	2	4,373 9 0	.....		.....	53	2	13 5 0	1,516	0	47 6 0
September ..... ,,	7,623	6	1,905 15 0	26	3	4 15 0	139	0	34 12 0	5,330	0	104 1 0
October ..... ,,	20,102	2	5,025 9 0	6	3	1 3 0	30	0	7 8 0	1,122	0	35 1 0
November..... ,,	20,032	6	5,008 3 0	.....		.....	60	0	15 0 0	1,684	0	52 10 0
December ..... ,,	32,108	6	8,027 3 0	21	5	4 1 0	42	4	10 10 0	7,514	0	234 13 0
January 1902	39,571	6	9,892 15 0	.....		.....	16	0	4 0 0	956	0	29 14 0
February ..... ,,	48,215	2	12,053 13 0	.....		.....	6	0	1 8 0	1,040	0	32 8 0
March ..... ,,	44,960	6	11,240 3 0	.....		.....	28	0	7 0 0	1,146	0	35 13 0
Total...	3,07,256	6	76,814 3 3	127	6	23 15 0	582	6	145 11 0	26,102	0	815 11 0
B. B. & C. I. Railway Co.												
April 1901	41,874	6	10,468 11 0	27	3	5 2 0	25	0	6 4 0	10	0	0 5 0
May ..... ,,	41,499	6	10,374 15 0	48	0	9 0 0	32	0	8 0 0	.....		.....
June ..... ,,	51,398	4	12,849 10 0	1	3	0 4 0	.....		.....	.....		.....
July ..... ,,	39,008	0	9,752 0 0	.....		.....	5	0	1 4 0	.....		.....
August ..... ,,	19,193	0	4,798 4 0	.....		.....	.....		.....	.....		.....
September..... ,,	8,146	6	2,036 11 0	.....		.....	.....		.....	.....		.....
October ..... ,,	8,509	0	2,127 4 0	.....		.....	2	0	0 8 0	.....		.....
November..... ,,	11,457	2	2,864 5 0	.....		.....	.....		.....	.....		.....
December ..... ,,	13,149	6	3,287 7 0	.....		.....	50	2	12 9 0	.....		.....
January 1902	16,267	4	4,066 14 0	.....		.....	6	0	1 8 0	.....		.....
February ..... ,,	9,155	6	2,288 15 0	4	5	0 14 0	2	0	0 8 0	.....		.....
March..... ,,	4,900	2	1,225 1 0	5	5	1 1 0	4	0	1 0 0	.....		.....
Total..	2,64,560	2	66,140 1 0	87	0	16 5 0	126	2	31 9 0	10	0	0 5 0
Grand Total...	21,70,809	6	5,42,702 8 9	243	1	45 9 3	9,72,660	1	2,43,164 15 8	13,09,488	6	40,921 8 4
Deduct— Refunds passed by the Revenue and Refund Audit Officer.....	9,73,849	7	*2,81,508 7 0	98,732	5	†18,901 4 0	61,017	6	15,254 7 0	8,14,516	0	25,453 10 0
Net Revenue Rs.....	11,96,959	7	2,61,194 1 9	.....		.....	9,11,642	3	2,27,910 8 8	4,94,972	6	15,467 14 4
Less— Refunds passed in excess of collections	.....		.....	98,489	4	18,855 10 9	.....		.....	.....		.....

ABSTRACT.

	Rs. a. p.	Rs. a. p.
Balance on 31st March 1901—		
Port Trust	4,562 12 5	
G. I. P. Railway Co.	16,080 1 3	
B. B. & C. I. Railway Co.	759 8 0	
		21,402 5 8
Add—		
Collections in 1901-1902—		
Port Trust	17,90,044 14 3	
G. I. P. Railway Co.	2,78,733 13 3	
B. B. & C. I. Railway Co.	1,20,625 8 0	
		21,89,404 3 6
		22,10,806 9 2
Deduct—		
Refunds paid in 1901-1902	13,04,721 7 0	
Balance on 31st March 1902.. Port Trust 24,850 5 5		
G. I. P. Railway Co. 17,643 13 3		
B. B. & C. I. Railway Co. 1,467 13 0		
	43,961 15 8	
		13,48,683 6 8
Total Balance as per Book...Rs.		8,62,123 2 6

W. E. WAITE,
Chief Accountant.

No. 3.

levied during 1901-1902 under Section 192 (1) of "The City of Bombay Municipal Act, 1888."

Sugar at 8 Annas per Cwt.				Ghee at 10 Annas per Maund.			Timber at 2½ per Cent. on Market Value.			Firewood at 1 Anna per Candy.			Total Monthly Collections.
Cwt.	qrs.	lbs.	Amount of Duty.	Maunds.	Seers.	Amount of Duty.	Value.	Amount of Duty.		Candies.	Maunds.	Amount of Duty.	
			Rs. a. p.			Rs. a. p.	Rs. a. p.	Rs. a. p.				Rs. a. p.	Rs. a. p.
1,36,995	3	7	68,497 14 6	1,089	2	680 10 6	5,15,228 15 4	12,880 11 7		94,974	0	5,935 14 0	1,80,289 9 11
1,57,820	2	21	78,910 5 6	531	1	331 14 3	5,06,543 15 4	12,663 9 7		59,827	7	3,707 15 3	1,66,734 11 0
1,00,048	0	14	50,024 1 0	417	2	260 10 6	2,48,422 1 4	6,210 8 10		1,567	0	97 15 0	1,09,925 10 10
1,25,234	2	14	62,617 5 0	1,189	10	743 4 6	3,64,298 5 4	9,107 7 4		231	14	14 7 6	1,20,743 2 8
84,099	0	7	42,049 8 6	127	22	79 11 6	2,84,486 10 8	7,112 2 8		112	0	7 0 0	95,099 12 9
62,962	1	0	31,481 2 0	564	0	352 8 0	3,64,727 4 8	9,118 2 11		11,647	14	727 15 6	76,702 15 4
1,50,967	3	14	75,483 15 0	1,669	21	1,043 7 3	3,41,025 10 0	8,525 10 3		42,582	0	2,661 6 0	1,42,761 10 6
1,84,086	1	14	92,043 3 0	1,844	20	1,152 13 0	5,28,113 15 4	13,202 13 7		49,080	14	3,067 8 6	1,67,865 0 7
2,14,686	3	10	1,07,343 6 9	2,779	8	1,737 0 0	2,46,488 5 4	6,162 3 4		57,668	21	3,604 4 9	1,64,295 1 6
2,27,699	3	17	1,13,849 15 3	4,313	4	2,695 11 0	5,93,101 14 0	14,827 8 9		80,363	0	5,022 11 0	1,88,286 8 4
2,09,011	3	0	1,04,505 14 0	6,306	0	3,941 4 0	3,21,007 11 4	8,025 3 1		1,01,467	0	6,341 11 0	1,78,343 0 5
2,10,149	2	21	1,05,074 13 6	5,621	29	3,513 9 3	5,66,132 1 4	14,153 4 10		89,693	14	5,605 13 6	1,98,997 12 5
8,63,762	3	27	9,31,881 8 0	26,451	39	16,532 7 9	48,79,576 14 0	1,21,989 6 9		5,88,714	0	36,794 10 0	17,90,044 14 3
3,233	1	0	1,616 10 0	13,536	5	8,460 1 3	17,975 0 0	449 6 0		6,335	0	395 15 0	15,797 11 3
3,334	2	14	1,667 5 0	18,932	27	11,832 14 9	7,147 8 0	178 11 0		2,802	0	175 2 0	22,330 13 9
1,471	0	14	735 9 0	13,437	2	8,398 4 6	26,877 8 0	671 15 0		8,528	0	533 0 0	15,974 9 9
2,597	3	14	1,298 15 0	17,983	36	11,239 15 0	1,285 0 0	32 2 0		3,769	0	235 9 0	15,414 6 0
3,670	1	14	1,835 3 0	18,682	32	11,676 12 0	2,060 0 0	51 8 0		11,467	0	716 11 0	18,714 6 0
3,257	2	14	1,628 13 0	21,518	25	13,449 1 9	4,660 0 0	116 8 0		5,095	0	318 7 0	17,562 8 9
3,731	2	0	1,865 12 0	31,815	11	19,884 8 9	2,165 0 0	54 2 0		4,471	0	279 7 0	27,153 2 9
4,842	3	14	2,171 7 0	29,711	37	18,569 15 3	8,240 0 0	206 0 0		2,017	0	126 1 0	26,149 4 3
8,472	1	0	4,236 2 0	40,764	0	25,477 8 0	10,570 0 0	264 4 0		3,302	0	206 6 0	38,160 15 0
6,951	2	0	3,475 12 0	30,534	22	19,084 1 6	13,005 0 0	325 2 0		4,937	0	308 9 0	33,120 5 6
6,899	3	0	3,449 14 0	17,604	13	11,002 12 6	6,735 0 0	168 6 0		3,208	0	200 8 0	26,909 5 6
4,856	1	14	2,428 3 0	14,559	3	9,099 6 9	7,163 0 0	179 1 0		2,506	0	156 16 0	23,146 4 9
52,819	0	14	26,409 9 0	2,69,080	16	1,68,175 6 0	1,07,883 0 0	2,697 1 0		58,437	0	3,652 5 0	2,78,733 13 3
781	3	14	390 15 0	7,560	20	4,725 5 0	1,650 0 0	41 4 0		652	0	40 12 0	15,678 10 0
184	1	14	92 3 0	6,523	12	4,077 1 0	.....	.....		936	0	58 8 0	14,619 11 0
736	3	14	368 7 0	3,674	32	2,296 12 0	1,340 0 0	33 8 0		676	0	42 4 0	15,590 13 0
117	3	0	58 14 0	11,431	32	7,144 14 0	.....	.....		1,601	0	100 1 0	17,057 1 0
20	1	0	10 2 0	7,113	8	4,445 12 0	500 0 0	12 8 0		1,708	0	106 12 0	9,373 6 0
280	0	14	140 1 0	4,123	20	2,577 3 0	.....	.....		2,622	0	163 14 0	4,917 13 0
4	0	0	2 0 0	4,948	8	3,092 10 0	600 0 0	15 0 0		179	0	11 3 0	5,248 9 0
13	2	0	6 12 0	2,513	16	1,570 14 0	2,080 0 0	52 0 0		470	0	29 6 0	4,523 5 0
5	2	0	2 12 0	5,352	12	3,345 3 0	.....	.....		2,315	0	144 11 0	6,792 10 0
4	3	14	2 7 0	10,900	0	6,812 8 0	80 0 0	2 0 0		2,122	0	132 10 0	11,017 15 0
2	0	0	1 0 0	8,572	36	5,358 11 0	650 0 0	16 4 0		6,384	0	399 0 0	8,065 1 0
2	0	0	1 0 0	9,645	12	6,028 5 0	20 0 0	0 8 0		7,786	0	483 8 0	7,740 7 0
2,153	0	14	1,076 9 0	82,359	8	51,475 2 0	6,920 0 0	173 0 0		27,401	0	1,712 9 0	1,2[illegible]625 8 0
19,18,735	0	27	9,59,367 10 0	3,77,891	23	2,36,182 15 9	49,94,379 14 0	1,24,859 7 9		6,74,552	0	42,159 8 0	21,89,404 3 0
14,22,891	3	14	7,11,445 15 0	53,648	20	33,530 5 0	8,42,530 0 0	21,063 4 0		.....		.....	11,07,157 4 0
4,95,843	1	13	2,47,921 11 0	3,24,243	3	2,02,652 10 9	41,51,849 14 0	1,03,796 3 9		6,74,552	0	42,159 8 0	11,01,102 [illegible] 3
.....			.....	.....		.....	.....	.....		.....		.....	18,855 10 9
												Net Revenue...Rs.	10,82,246 15 6

	Candies.	F.	Rs.	a.	p.
*Grain at 6 annas per candy	3,04,367	7	1,14,137	15	0
" 4 " " ...	6,69,482	0	1,67,370	8	0
Total ...	9,73,849	7	2,81,508	7	0

	Candies	F.	Rs.	a.	p.
†Flour at 4½ annas per candy.	4,148	2	1,166	11	0
" 3 " " ...	94,584	3	17,734	9	0
Total ...	98,732	5	18,901	4	0

W. L. HARVEY,
Municipal Commissioner

Appendix No. 4.

CONTRASTED STATEMENT showing the Original Budget Grants for 1901-1902, Renewed Grants for 1900-1901, and previous years, Additional Grants, Transfers, the modifications as per the Revised estimates for 1901-1902 and the Grants as finally sanctioned.

PARTICULARS.	Original Grants sanctioned by the Corporation as per Section 129 of the Municipal Act.	Additional Grants as sanctioned by the Corporation under Section 131 (1).	Additional Grants sanctioned by the Corporation in respect of unexpended balances of grants for 1899-1900 and previous years required for expenditure in 1901-1902, and of transfers sanctioned in 1900-1901, but not utilized during that year.	Lapsed Grants for 1900-1901 renewed by the Standing Committee under Section 132.	Add Transfers as per Section 133 (1) *b* & *c* and 2.	Deduct Transfers as per Section 133 (1) *a* & *c*.	Total.	Less anticipated savings as per Revised estimates of expenditure for 1901-1902.	Final Sanctioned Grants.
1	2	3	4	5	6	7	8	9	10
GENERAL SUPERINTENDENCE—	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Corporation and Standing Committee's Establishment	53,772 0 0	138 7 4	.....	218 14 0	1,345 8 9	75 8 9	55,399 5 4	.....	55,399 5 4
Municipal Commissioner's Personal Office Establishment	55,161 0 0	17 0 0	.....	1,110 2 10	.....	525 0 0	55,763 2 10	.....	55,763 2 10
General Office Establishment	37,677 0 0	21,000 0 0	5,198 5 3	5,341 7 5	2,342 0 0	.....	71,558 12 6	.....	71,558 12 6
Accounts and Expenditure Audit Establishment	61,394 0 0	280 0 0	.....	60 0 0	150 0 0	1,517 12 0	60,366 4 0	380 0 0	59,986 4 0
Total Rs.	2,08,004 0 0	21,435 7 4	5,198 5 3	6,730 8 1	3,837 8 9	2,118 4 9	2,43,087 8 8	380 0 0	2,42,707 8 8
ASSESSMENT AND COLLECTION DEPARTMENT—									
Property and Wheel Tax Establishment	1,51,052 0 0	780 0 0	7 11 10	3,215 15 4	1,154 4 6	841 0 0	1,55,368 15 8	359 7 4	1,55,009 8 4
Town Duty Collection	80,350 0 0	12,728 4 5	.....	1,076 1 7	.....	15 0 0	94,139 6 0	.....	94,139 6 0
Tolls Collection	2,016 0 0	.....	.....	.....	.....	.....	2,016 0 0	.....	2,016 0 0
Licensing Establishment	30,969 0 0	.....	.....	654 0 10	200 0 0	.....	31,823 0 10	171 6 5	31,651 10 5
Revenue and Refund Audit Office Establishment	25,944 0 0	1,680 0 0	.....	.....	582 12 0	.....	28,206 12 0	.....	28,206 12 0
Total Rs.	2,90,331 0 0	15,188 4 5	7 11 10	4,946 1 9	1,937 0 6	856 0 0	3,11,554 2 6	530 13 9	3,11,023 4 9
FIRE BRIGADE	1,21,981 0 0	1,571 13 7	750 0 0	5,629 5 4	1,074 0 0	1,382 12 0	1,29,623 6 11	.....	1,29,623 6 11
MAINTENANCE OF PUBLIC GARDENS—									
Victoria Gardens—Maintenance	52,732 0 0	363 15 11	664 15 3	7,373 0 3	.....	.....	61,133 15 5	.....	61,133 15 5
Do. —New Works	.....	.....	1,047 2 5	6,034 4 11	.....	.....	7,081 8 4	362 4 0	6,719 4 4
Elphinstone Circle Garden	1,660 0 0	.....	.....	.....	.....	.....	1,660 0 0	.....	1,660 0 0
Falkland Road do.	420 0 0	.....	.....	.....	.....	.....	420 0 0	.....	420 0 0
Northbrook do.	1,526 0 0	.....	.....	.....	.....	.....	1,526 0 0	.....	1,526 0 0
Sir C. Jehangir Mahim do.	628 0 0	.....	.....	.....	.....	.....	628 0 0	.....	628 0 0
Bazaar Gate Street do.	652 0 0	.....	.....	.....	.....	.....	652 0 0	.....	652 0 0
Dick's Tank do.	370 0 0	.....	.....	.....	.....	.....	370 0 0	.....	370 0 0
Malabar Hill do.	730 0 0	.....	.....	.....	.....	.....	730 0 0	.....	730 0 0
Total Rs.	58,718 0 0	363 15 11	1,712 2 8	13,407 5 2	.....	.....	74,201 7 9	362 4 0	73,839 3 9
PUBLIC WORKS (ENGINEER'S) DEPARTMENT—									
I. General Supervision and Miscellaneous Duties	52,402 0 0	.....	.....	292 0 5	950 0 0	.....	53,644 0 5	.....	53,644 0 5
II. DRAINAGE—									
A. Miscellaneous Drainage	1,10,864 0 0	2,350 0 0	2,327 0 7	6,327 8 0	14,533 0 0	1,600 0 0	1,34,801 8 7	.....	1,34,801 8 7
B. Maintenance of Love Grove Pumping Station	94,452 0 0	7,144 0 0	18 0 0	193 0 0	19,000 0 0	.....	1,20,807 0 0	.....	1,20,807 0 0
C. Maintenance of Sluices	3,840 0 0	.....	.....	75 2 4	.....	.....	3,915 2 4	.....	3,915 2 4
D. Do. of Pumping Station, Colaba	28,815 8 0	.....	.....	411 5 8	3,000 0 0	180 0 0	32,046 13 8	.....	32,046 13 8
E. Air Compressor Station at Love Grove	26,449 8 0	.....	.....	.....	.....	4,710 0 0	21,739 8 0	1,357 12 0	20,381 12 0
III. WATER WORKS MAINTENANCE	2,04,119 0 0	2,498 1 5	37,769 13 7	11,996 14 3	3,379 12 0	3,202 0 0	2,56,561 9 3	5,752 5 3	2,50,809 4 0
IV. STREETS AND BUILDINGS—									
A. Inspection and Supervision	82,357 0 0	.....	101 12 0	847 4 1	140 0 0	2,520 0 0	80,926 0 1	383 14 3	80,542 1 10
B. Public Lighting	2,73,045 0 0	.....	.....	2,930 5 3	.....	4,500 0 0	2,71,475 5 3	.....	2,71,475 5 3
C. Road Watering	70,900 0 0	.....	1,522 10 6	15,000 0 0	.....	.....	87,422 10 6	.....	87,422 10 6
D. Roads, Foot-paths, &c.	3,55,650 0 0	4,151 15 2	.....	8,107 6 6	.....	.....	3,67,909 5 8	.....	3,67,909 5 8
E. Street Improvements	50,000 0 0	2,430 0 0	12,368 14 11	1,00,000 0 0	.....	.....	1,64,798 14 11	.....	1,64,798 14 11
F. Compensation for Insanitary Buildings demolished	5,750 0 0	.....	4,000 0 0	5,000 0 0	152 0 0	4,152 0 0	10,750 0 0	.....	10,750 0 0
V. Cleaning, Lighting and Repairing Port Trust Wharves Roads	38,642 0 0	.....	.....	.....	.....	.....	38,642 0 0	.....	38,642 0 0
Total Rs.	13,97,286 0 0	18,574 0 7	58,108 3 7	1,51,180 14 6	41,154 12 0	20,864 0 0	16,45,439 14 8	7,493 15 6	16,37,945 15 2
Carried over	20,76,320 0 0	57,133 9 10	65,776 7 4	1,81,891 2 10	48,003 5 3	25,221 0 9	24,03,906 8 6	8,767 1 3	23,95,139 7 3

Appendix No. 4—*continued.*

PARTICULARS.	Original Grants sanctioned by the Corporation as per Section 129.	Additional Grants as sanctioned by the Corporation under Section 131 (1).	Additional Grants sanctioned by the Corporation in respect of unexpended balances of grants for 1899-1900 and previous years required for expenditure in 1901-1902 and of transfers sanctioned in 1900-1901, but not utilized during that year.	Lapsed grants for 1900-1901 renewed by the Standing Committee under Section 132.	Add Transfers as per Section 133 (1) *b* & *c* and (2).	Deduct Transfers as per Section 133 (1) *a* & *c*.	TOTAL	Less anticipated savings as per Revised Estimates of expenditure for 1901-1902.	Final Sanctioned Grants.
	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ..	20,76,320 0 0	57,133 9 10	65,776 7 4	1,81,894 2 10	48,003 5 3	25,221 0 9	24,03,906 8 6	8,767 1 3	23,95,139 7 3
NEW WORKS	1,00,000 0 0	9,000 0 0	51,844 4 4	81,076 11 7	5,647 0 0	15,690 0 0	2,31,877 15 11	3,554 15 6	2,28,323 0 5
PUBLIC HEALTH DEPARTMENT—									
I. General Supervision	1,06,772 0 0	2,341 2 6	443 8 0	138 5 3	1,560 0 0	235 0 0	1,11,019 15 9	540 6 9	1,10,479 9 0
II. Conservancy Branch.....	16,33,992 0 0	7,898 12 0	77,005 0 4	51,800 14 5	14,120 0 0	36,184 4 6	17,48,632 6 3	13,058 5 1	17,35,574 1 2
III. Markets and Slaughter-houses	2,3,887 0 0	2,330 0 4	1,697 10 5	2,679 12 3	1,625 0 0	1,275 0 6	1,60,944 7 0	7,000 14 1	1,53,943 8 11
IV. Registration of Births and Deaths	29,189 0 0	.....	....	60 7 11	....	....	29,249 7 11	1,860 10 10	27,388 13 1
V. Cemeteries	19,020 0 0	.....	75 0 0	168 8 9	....	379 0 0	18,884 8 9	....	18,884 8 9
VI. Laboratory	660 0 0	.....	....	52 2 0	....	....	712 2 0	....	712 2 0
VII. Mahaluxmi Dhobiwada	21,163 0 0	.....	....	1,656 2 3	....	....	22,819 2 3	....	22,819 2 3
VIII. Infectious Diseases	54,828 0 0	10,687 9 3	9 11 0	7,873 7 6	3,000 0 0	....	81,398 12 2	....	81,398 12 2
IX. Milch-cattle Stables and Rooms	8,493 0 0	.....	....	141 0 9	....	....	8,634 0 9	....	8,634 0 9
X. Tank Conservancy	6,110 0 0	.....	....	3 0 0	....	....	6,113 0 0	....	6,113 0 0
XI. Rustomji Jamsetji Dharamsala, Fulkland Road	377 0 0	.....	....	....	....	....	377 0 0	....	377 0 0
XII. Vaccination Contribution to Government..	17,502 0 0	254 7 0	....	201 12 4	....	....	17,958 3 4	6 2 4	17,952 1 0
Koombharwada, Dongri and Curry Road Dispensaries	15,000 0 0	.....	....	170 3 0	....	....	15,170 3 0	1,754 2 6	13,416 0 6
Census	.....	.....	....	20,204 14 8	....	....	20,204 14 8	....	20,204 14 8
Total..Rs.	20,66,993 0 0	23,511 15 6	79,230 13 9	85,150 11 1	25,305 0 0	38,073 4 6	22,42,118 3 10	24,220 9 7	22,17,897 10 3
POLICE CHARGES	5,00,000 0 0	.....	.....	.....	.....	.....	5,00,000 0 0	.....	5,00,000 0 0
Removal of an existing privy and the construction of a 2-chamber latrine on the water carriage system at the Bazaar Gate Police Station	.....	.....	980 0 0	.....	.....	.....	980 0 0	.....	980 0 0
Alterations to the Constables' Quarters at the Old Police Court buildings on Girgaum Road and to the Apothecaries' Quarters at the Police Hospital, Mazagon.....	.....	455 0 0	.....	.....	.....	.....	455 0 0	.....	455 0 0
Total..Rs.	5,00,000 0 0	455 0 0	980 0 0	.....	.....	.....	5,01,435 0 0	.....	5,01,435 0 0
EDUCATION—									
Primary Education	80,000 0 0	.....	.....	.....	.....	.....	80,000 0 0	.....	80,000 0 0
School for Deaf and Dumb Mutes..	1,800 0 0	.....	.....	.....	.....	.....	1,800 0 0	.....	1,800 0 0
Veterinary College	2,500 0 0	.....	.....	.....	.....	.....	2,500 0 0	.....	2,500 0 0
Victoria and Albert Museum	11,328 0 0	.....	.....	1 0 0	.....	.....	11,329 0 0	111 0 0	11,218 0 0
Victoria Jubilee Technical Institute	10,000 0 0	.....	.....	.....	.....	.....	10,000 0 0	.....	10,000 0 0
Joint Schools Committees Establishment.....	7,831 0 0	.....	.....	9 8 0	29 0 0	.....	7,869 8 0	18 8 0	7,851 0 0
Total..Rs.	1,13,459 0 0	.....	.....	10 8 0	29 0 0	.....	1,13,498 8 0	129 8 0	1,13,369 0 0
HOSPITALS, &c.—									
Gokaldas Tejpal Hospital	36,000 0 0	.....	.....	.....	.....	.....	36,000 0 0	.....	36,000 0 0
Jaffer Sulleman Dispensary	3,000 0 0	.....	.....	.....	.....	.....	3,000 0 0	.....	3,000 0 0
Homeless Leper Asylum, Matoonga	18,000 0 0	.....	.....	.....	.....	.....	18,000 0 0	.....	18,000 0 0
Total..Rs.	57,000 0 0	.....	.....	.....	.....	.....	57,000 0 0	.....	57,000 0 0
MISCELLANEOUS—									
Pensions, Gratuities and Compassionate Allowances	60,000 0 0	3,319 2 2	227 0 11	1,169 7 5	.....	.....	64,715 10 6	.....	64,715 10 6
Discretional Contingencies	7,000 0 0	.....	.....	881 3 1	.....	.....	7,881 3 1	.....	7,881 3 1
Auditors' Allowance.....	10,000 0 0	.....	.....	.....	.....	.....	10,000 0 0	.....	10,000 0 0
Election Expenses.....	1,000 0 0	.....	.....	200 0 0	.....	.....	1,200 0 0	.....	1,200 0 0
Grain Compensation to Peons, &c.	.....	1,287 0 0	0 12 7	4,705 3 7	.....	.....	5,993 0 2	.....	5,993 0 2
Miscellaneous Carried over .. Rs.	78,000 0 0	4,606 2 2	227 13 6	6,955 14 1	.....	.....	89,789 13 9	.....	89,789 13 9
Carried over..Rs.	49,13,772 0 0	90,100 9 4	1,97,331 9 5	3,48,132 1 6	78,984 5 3	78,984 5 3	55,49,836 4 3	36,672 2 4	55,13,164 1 11

Appendix No. 4—*concluded.*

Particulars.	Original Grants sanctioned by the Corporation as per Section 129.	Additional Grants as sanctioned by the Corporation under Section 131 (1).	Additional Grants sanctioned by the Corporation in respect of unexpended balances of Grants for 1899-1900, and previous years required for Expenditure in 1901-02 and of Transfers sanctioned in 1900-01 but not utilized during that year.	Lapsed Grants for 1900-1901 renewed by the Standing Committee under Section 132.	Add Transfers as per Section 133 (1) *b* & *c* and (2).	Deduct Transfers as per Section 133 (1) *a* & *c*.	Total.	Less anticipated Savings as per Revised Estimates of expenditure for 1901-02.	Final Sanctioned Grants.
1	2	3	4	5	6	7	8	9	10
Brought forward ..Rs	Rs. a. p. 49,13,772 0 0	Rs. a. p. 90,100 9 4	Rs. a. p. 1,97,831 9 5	Rs. a. p. 3,48,132 1 6	Rs. a. p. 78,984 5 3	Rs. a. p. 78,984 5 3	Rs. a. p. 55,49,836 4 3	Rs. a. p. 36,672 2 4	Rs. a. p. 55,13,164 1 11
Miscellaneous—Brought forward...	78,000 0 0	4,606 2 2	227 13 6	6,955 14 1	.....	.....	89,789 13 9	....	89,789 13 9
Loss or depreciation on Stores (Water-Works)	.....	8,874 7 8	.....	.....	.....	.....	8,874 7 8	....	8,874 7 8
Purchase of 5 sets of survey sheets	.....	2,820 0 0	.....	.....	.....	.....	2,820 0 0	....	2,820 0 0
Cost of Telegram of Condolence sent to His Majesty the King and Emperor on the lamented death of Her Majesty the Queen-Empress, and of the address sent to His Majesty.....	.....	.....	.....	275 0 0	.....	.....	275 0 0	....	275 0 0
Expenses in connection with the vacation of the portion of the ground occupied by the Municipal Workshops	.....	.....	.....	15,099 7 7	.....	.....	15,099 7 7	....	15,099 7 7
Cost of a Casket for the Address of Congratulations to be presented to His Most Gracious Majesty, King Edward VII, Emperor of India, on the occasion of His Majesty's Coronation and of engrossing and illuminating the address and all incidental expenses in connection with the preparation of the Casket and the Address.....	.....	7,500 0 0	.....	.....	.....	.....	7,500 0 0	....	7,500 0 0
Total..Rs.	78,000 0 0	23,800 9 10	227 13 6	22,330 6 8	.....	.....	1,24,358 13 0	....	1,24,358 13 0
Municipal Debt—									
Interest on Loans	19,76,825 10 2	.....	65,284 5 7	1,72,605 4 8	.....	332 14 0	22,14,382 6 5	33,786 13 1	21,80,615 9 4
Charges on Loans	8,924 0 0	.....	.....	1 0 0	.....	.....	8,925 0 0	433 2 11	8,491 13 1
Payments towards the reduction of Debt	79,700 5 10	.....	2,500 0 0	8,000 0 0	.....	.....	90,200 5 10	....	90,200 5 10
Do. Investment of Sinking Fund	3,70,600 0 0	....	.....	.....	332 14 0	.....	3,70,982 14 0	....	3,70,982 14 0
Do. do. of Interest accrued on Sinking Fund	1,46,300 0 0	5,700 0 0	.....	.....	.....	.....	1,51,000 0 0	....	1,51,000 0 0
Total..Rs.	25,81,400 0 0	5,700 0 0	67,784 5 7	1,80,606 4 8	332 14 0	332 14 0	28,35,490 10 3	34,200 0 0	28,01,290 10 3
Investments—									
Municipal Buildings Fire Insurance Fund	5,000 0 0	.....	.....	.....	.....	.....	5,000 0 0	....	5,000 0 0
Interest realized on Fire Insurance Fund	2,000 0 0	406 15 4	.....	.....	.....	.....	2,406 15 4	....	2,406 15 4
Worn-out Water Mains Renewal Fund	25,000 0 0	.....	.....	.....	.....	.....	25,000 0 0	....	25,000 0 0
Interest realized on Worn-out Renewal Fund.....	17,500 0 0	895 6 5	.....	.....	.....	.....	18,395 6 5	....	18,395 6 5
Interest realized on Net Premia Fund	7,300 0 0	.....	.....	26 7 0	.....	.....	7,326 7 0	....	7,326 7 0
School Building Fund	1,900 0 0	65 7 11	.....	.....	.....	.....	1,965 7 11	....	1,965 7 11
Total Rs..	58,700 0 0	1,367 13 8	.....	26 7 0	.....	.....	60,094 4 8	....	60,094 4 8
Contribution to the City Improvement Trust.....	4,81,000 0 0	.....	.....	.....	.....	.....	4,81,000 0 0	....	4,81,000 0 0
	81,12,872 0 0	1,20,969 0 10	2,65,843 12 6	5,51,095 2 10	79,317 3 3	79,317 3 3	90,50,780 0 2	70,872 2 4	89,79,907 13 10
Balance out of the sum reserved in the Revised Estimate of Expenditure for 1901-02 for additional Grants to be sanctioned between January and March 1902.....	.....	69,792 15 2	.....	.....	.....	.....	69,792 15 2	....	69,792 15 2
Grand Total..Rs.	81,12,872 0 0	1,90,762 0 0	2,65,843 12 6	5,51,095 2 10	79,317 3 3	79,317 3 3	91,20,572 15 4	70,872 2 4	90,49,700 13 0

W. E. WAITE,
Chief Accountant.

W. L. HARVEY,
Municipal Commissioner.

Appendix No. 5.

EXPENDITURE.

STATEMENT showing the Actuals as compared with the Final Sanctioned Grants for 1901-1902 as per Appendix No. 4 and the Actuals of the preceding year.

PARTICULARS.	Actuals for 1900-1901.	Final sanctioned grants for expenditure during 1901-1902 as per Appendix No. 4.	Actuals for 1901-1902.	As compared with the final sanctioned grants as per column 3.		Amount proposed to be renewed in 1902-1903 out of savings as per column 6.	Net savings.	As compared with the actuals for 1900-1901 as per column 2.	
				More.	Less.			More.	Less.
1	2	3	4	5	6	7	8	9	10
GENERAL SUPERINTENDENCE—	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Corporation and Standing Committees' Establishment ..	60,468 1 10	55,399 5 4	55,077 2 5	.....	322 2 11	194 6 9	127 12 2	.....	5,390 15 5
Municipal Commissioner's Personal Office Establishment	60,345 11 0	55,763 2 10	53,062 6 11	.....	2,700 11 11	1,081 0 6	1,619 11 5	.....	7,283 4 1
General Office Establishment ..	49,787 14 2	71,558 12 6	45,419 11 0	.....	26,139 1 6	24,949 15 7	1,189 1 11	.....	4,368 3 2
Accounts and Expenditure Audit Establishment..	57,442 9 2	59,986 4 0	59,476 14 1	.....	509 5 11	94 13 9	414 8 2	2,034 4 11	.....
	2,28,044 4 2	2,42,707 8 8	2,13,036 2 5	.....	29,671 6 3	26,320 4 7	3,351 1 8	2,034 4 11	17,042 6 8
ASSESSMENT AND COLLECTION DEPARTMENT—									
Property and Wheel Tax Establishment	1,49,954 6 11	1,55,009 8 4	1,50,300 7 2	.....	4,709 1 2	699 1 11	4,009 15 3	346 0 3	.....
Town Duty Collection	1,15,789 4 5	94,139 6 0	84,796 14 6	.....	9,342 7 6	4,109 11 8	5,252 11 10	.....	30,992 5 11
Tolls Collection..	2,016 0 0	2,016 0 0	2,016 0 0	.....	.....	.....	.....	.....	.....
Licensing Establishment ..	28,085 5 7	31,651 10 5	28,704 2 6	.....	2,947 7 11	573 4 6	2,374 3 5	618 12 11	.....
Revenue and Refund Audit Establishment..	30,873 12 9	28,206 12 0	28,186 2 10	.....	20 9 2	4 8 0	16 1 2	.....	2,687 9 11
	3,26,718 13 8	3,11,023 4 9	2,94,003 11 0	.. ..	17,019 9 9	5,386 10 1	11,632 15 8	964 13 2	33,679 15 1
FIRE BRIGADE	1,18,638 12 10	1,29,623 6 11	1,21,727 9 1	....	7,895 13 10	3,159 2 4	4,736 11 6	3,088 12 3	.....
MAINTENANCE OF PUBLIC GARDENS—									
Victoria Gardens { Maintenance ..	56,451 12 7	61,133 15 5	51,219 6 6	.....	9,914 8 11	7,980 6 9	1,934 2 2	.....	5,232 6 1
Victoria Gardens { New Works ..	7,129 8 6	6,719 4 4	2,893 11 4	.....	3,825 9 0	3,670 6 7	155 2 5	.....	4,235 13 2
Elphinstone Circle Garden ..	1,488 13 4	1,660 0 0	927 9 9	.....	732 6 3	30 0 0	702 6 3	.....	561 3 7
Falkland Road Garden	431 2 8	420 0 0	196 11 8	.....	223 4 4	.....	223 4 4	.....	234 7 0
Northbrook Garden	1,464 11 5	1,526 0 0	924 7 2	.....	601 8 10	.....	601 8 10	.....	540 4 3
Sir C. Jehangir Mahim Garden ..	590 14 1	628 0 0	333 2 1	.....	294 13 11	.....	294 13 11	.....	257 12 0
Bazar Gate Street Garden .	586 8 7	652 0 0	471 1 1	.....	180 14 11	.....	180 14 11	.....	95 7 6
Dick's Tank Garden	375 6 11	370 0 0	150 8 10	.....	219 7 2	.....	219 7 2	.....	224 14 0
Malabar Hill Garden	1,371 9 6	730 0 0	567 15 6	.....	162 0 6	.....	162 0 6	.....	803 10 0
	69,870 7 6	73,839 3 9	57,684 9 11	.....	16,154 9 10	11,680 13 4	4,473 12 6	.....	12,185 13 7
PUBLIC WORKS (ENGINEER'S) DEPARTMENT—									
I. GENERAL SUPERVISION AND MISCELLANEOUS DUTIES.	49,523 5 11	53,644 0 5	52,418 1 5	.....	1,225 15 0	14 4 7	1,211 10 5	2,894 11 6	.....
II. DRAINAGE—									
A. Miscellaneous Drainage ..	2,15,188 0 0	1,34,801 8 7	1,08,113 0 0	.....	26,688 8 7	21,630 15 1	5,057 9 6	.....	1,07,075 0 0
B. Maintenance of Love Grove Pumping Station	1,11,773 1 10	1,20,807 0 0	1,15,681 5 1	.....	5,125 10 11	1,492 0 4	3,633 10 7	3,908 3 3	.....
C. Do. of Sluices ..	3,303 9 1	3,915 2 4	3,102 8 3	.....	812 10 1	.....	812 10 1	.....	201 0 10
D. Do. of Pumping Station, Colaba (Shone System).	30,831 8 4	32,046 13 8	30,927 9 3	.....	1,119 4 5	623 2 11	496 1 6	96 0 11	.....
E. Air Compressor Station at Love Grove (Shone System).	3,471 1 0	20,381 12 0	18,095 6 0	.....	2,286 6 0	10 0 0	2,276 6 0	14,624 5 0	.....
III. WATER WORKS MAINTENANCE	2,35,365 9 8	2,50,809 4 0	2,20,028 13 0	.....	30,780 7 0	28,143 6 6	2,637 0 6	.....	15,336 12 8
IV. STREETS AND BUILDINGS—									
A. Inspection and Supervision.	77,718 4 7	80,542 1 10	79,650 13 5	.....	891 4 5	200 15 0	690 5 5	1,932 8 10	.....
B. Public Lighting.. ..	2,62,966 12 6	2,71,475 5 3	2,63,606 3 1	.....	7,869 2 2	1,944 11 1	5,924 7 1	639 6 7	.....
C. Road Watering	1,33,257 4 0	87,422 10 6	78,386 5 8	.....	9,036 4 10	8 115 13 0	920 7 10	.....	54,870 14 4
D. Roads, Footpaths, &c. ..	3,54,342 4 11	3,67,909 5 8	3,22,782 9 1	.....	45,126 12 7	44,942 7 6	184 5 1	.....	31,559 11 10
E. Street Improvements ..	1,12,711 10 6	1,64,798 14 11	1,22,666 8 5	.....	42,132 6 6	42,132 6 6	.....	9,954 18 11	.....
F. Miscellaneous (Compensation for Insanitary Buildings demolished, &c.) ..	2,212 4 6	10,750 0 0	2,173 6 7	.. ...	8,576 9 5	8,491 0 10	84 14 7	.....	38 13 11
V. Cleaning, Lighting, and Repairing Port Trust Wharves Roads ..	38,642 0 0	38,642 0 0	38,642 0 0	.. ...	.....	.....	.....	.....	.....
	16,31,306 12 10	16,37,945 15 2	14,56,274 9 3	.....	1,81,671 5 11	1,57,741 13 4	23,929 8 7	34,050 2 0	2,09,082 5 7
NEW WORKS	69,871 13 3	2,28,323 0 5	1,15,162 8 5	.....	1,13,160 8 0	99,542 6 3	13,618 1 9	45,290 11 2	.....
PUBLIC HEALTH DEPARTMENT—									
I. General Supervision ..	98,293 5 7	1,10,479 9 0	1,07,262 5 0	.....	3,217 4 0	659 7 11	2,557 12 1	8,968 15 5	.....
II. Conservancy Branch ..	16,73,024 4 7	17,35,574 1 2	15,58,541 5 7	.....	1,77,032 11 7	1,28,210 10 9	48,822 0 10	.....	1,14,482 15 0
III. Markets and Slaughter-houses.	1,95,327 4 0	1,53,943 8 11	1,42,834 1 1	.....	11,109 7 10	5,318 14 3	5,790 9 7	.....	52,493 2 11
IV. Registration of Births and Deaths	26,055 12 11	27,388 13 1	26,593 12 9	.....	795 0 4	237 5 9	557 10 7	547 15 10	.....
V. Cemeteries	19,420 7 6	18,884 8 9	13,648 5 1	.....	5,235 3 8	131 12 2	5,103 13 6	.....	5,771 8 5
VI. Mahaluxmi Dhobiwada ..	31,709 7 2	22,819 2 3	16,648 1 1	.....	6,171 1 2	5,565 12 9	605 4 5	.....	15,061 6 1
VII. Milch-cattle Stables and Rooms	10,549 9 10	8,634 0 9	7,792 11 9	.....	841 5 0	429 1 9	412 3 3	.....	2,756 14 1
VIII. Tank Conservancy ..	5,032 6 1	6,113 0 0	5,050 4 2	.....	1,062 11 10	.....	1,062 11 10	17 14 1	.....
IX. Rustomjee Jamsetjee Dharamsala, Falkland Road.	188 15 5	377 0 0	157 14 2	.....	219 1 10	62 10 3	156 7 7	.....	31 1 3
PUBLIC HEALTH Dept. Carried over Rs. ..	20,59,591 9 1	20,84,213 10 11	18,78,529 6 8	....?.	2,05,684 5 3	1,40,615 11 7	65,068 9 8	9,534 13 4	1,90,[illegible] 15 9
Carried over Rs. ...	24,44,457 0 3	26,23,462 7 8	22,57,889 2 [illegible]	.....	3,65,573 5 7	3,03,831 1 11	61,742 3 8	81,429 11 6	2,71,[illegible] 9 8

Appendix No. 5—*continued.*

PARTICULARS.	Actuals for 1900-1901.	Final sanctioned grants for expenditure during 1901-1902 as per Appendix No. 4.	Actuals for 1901-1902	As compared with the final sanctioned grants as per column 3.		Amount proposed to be renewed in 1902-1903 out of savings as per column 6.	Net savings.	As compared with the actuals for 1900-1901 as per column 2.	
				More.	Less.			More.	Less.
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward .. Rs.	24,44,451 0 3	26,23,462 7 8	22,57,889 2 1	.....	3,65,573 5 7	3,03,831 1 11	61,742 3 8	85,428 11 6	2,71,990 9 8
PUBLIC HEALTH DEPT. Brought forward	20,59,591 9 1	20,84,213 11 11	18,78,529 6 8	.....	2,05,684 5 3	1,40,615 11 7	65,068 9 8	9,534 13 4	1,90,596 15 9
Laboratory	348 8 10	712 2 0	384 11 9	.....	327 6 3	7 0 0	320 6 3	36 2 10	.....
Infectious Diseases	75,357 11 9	81,398 12 2	79,063 6 2	.....	2,335 6 0	627 13 6	1,707 8 6	3,705 10 5	.....
Vaccination (Contribution to Government)	17,324 6 11	17,952 1 0	16,375 7 0	.....	1,576 10 0	.....	1,576 10 0	.....	948 15 11
Dongri, Kumbharwada and Curry Road Dispensaries	10,652 5 5	13,416 0 6	12,700 0 9	.....	715 15 9	326 8 6	389 7 3	2,047 11 4	.....
Census	4,795 1 4	20,204 14 8	20,011 5 2	.....	193 9 6	193 9 6	.....	15,216 3 10	.....
Rinderpest charges	29 3 5	.....	.....	.....	.....	.....	.....	.....	29 3 5
Establishment, &c., in connection with the segregation of cattle suffering from foot and mouth disease	379 11 0	.....	.....	.....	.....	.....	.....	.....	379 11 0
	21,64,478 9 10	22,17,897 10 3	20,07,064 5 6	.....	2,10,333 4 9	1,41,770 11 1	69,062 9 8	30,540 9 9	1,91,954 14 1
POLICE CHARGES	5,00,000 0 0	5,00,000 0 0	5,00,000 0 0	.....	.....	.....	.....	.....	.....
Removal of the existing privy and the construction of a 2-chamber latrines at the Bazaar Gate Police Station (on water-carriage system).	1,620 0 0	980 0 0	21 14 0	.....	958 2 0	958 2 0	.....	.....	1,598 2 0
Additions and alterations to the Byculla Police Quarters ...	834 12 3	.....	.....	.....	.....	.....	.....	.....	834 12 3
Alterations to the Constable's Quarters at the Old Police Court bungalow on Girgaum Road and to the Apothecaries' Quarters at the Police Hospital, Mazagon ..	.....	455 0 0	.....	.....	455 0 0	455 0 0	.....	.....	.....
	5,02,454 12 3	5,01,435 0 0	5,00,021 14 0	.....	1,413 2 0	1,413 2 0	.....	.....	2,432 14 3
EDUCATION—									
Primary Education	80,000 0 0	80,000 0 0	80,000 0 0	.....	.....	.....	.....	.....	.....
School for Deaf and Dumb Mutes.	1,800 0 0	1,800 0 0	1,800 0 0	.....	.....	.....	.....	.....	.....
Veterinary College	2,500 0 0	2,500 0 0	2,500 0 0	.....	.....	.....	.....	.....	.....
Victoria and Albert Museum .	11,110 3 10	11,218 0 0	10,362 1 11	.....	855 14 1	445 7 8	410 6 5	.....	748 1 11
Victoria Jubilee Technical Institute	10,000 0 0	10,000 0 0	10,000 0 0	.....	.....	.....	.....	.....	.....
Joint Schools Committee's Establishment	6,519 14 2	7,851 0 0	7,851 0 0	.....	.....	.....	.....	1,331 1 10	.....
	1,11,930 2 0	1,13,369 0 0	1,12,513 1 11	.....	855 14 1	445 7 8	410 6 5	1,331 1 10	748 1 11
HOSPITALS—									
Gokuldas Tejpal Hospital ..	38,000 0 0	36,000 0 0	36,000 0 0	.....	.....	.....	.....	.....	2,000 0 0
Jaffer Sulemán Dispensary ..	3,000 0 0	3,000 0 0	3,000 0 0	.....	.....	.....	.....	.....	.....
Homeless Leper Asylum at Matunga	17,976 10 10	18,000 0 0	18,000 0 0	.....	.....	.....	.....	23 5 2	.....
	58,976 10 10	57,000 0 0	57,000 0 0	.....	.....	.....	.....	23 5 2	2,000 0 0
MISCELLANEOUS—									
Pensions, Gratuities and Compassionate Allowances ..	75,928 12 3	64,715 10 6	56,439 15 4	.....	8,275 11 2	878 0 1	7,397 11 1	.....	19,488 12 11
Discretional Contingencies ..	7,609 12 8	7 881 3 1	2,884 1 7	.....	4,997 1 6	3,150 0 0	1,847 1 6	.....	4,725 11 1
Auditor's Allowance	10,000 0 0	10,000 0 0	10,000 0 0	.....	.....	.....	.....	.....	.....
Election Expenses	8,006 12 2	1,200 0 0	1,189 8 1	.....	10 7 11	.....	10 7 11	.....	6,817 4 1
Grain Compensation to Peons, &c.,	1,32,228 13 7	5,993 0 2	5,877 13 9	.....	115 2 5	12 0 0	103 2 5	.....	1,26,350 15 10
Cost of a Casket for the Address of Congratulations to be presented to His Majesty, King Edward VII, Emperor of India, on the occasion of His Majesty's Coronation, and of engrossing and illuminating the Address and all incidental expenses in connection with the preparation of the Casket and the Address ..	.....	7,500 0 0	.....	.....	7,500 0 0	7,200 0 0	300 0 0	.....	.....
Expenses in connection with the vacation of the portion of ground occupied by the Municipal Workshops	1,435 8 5	15,099 7 7	9,948 8 2	.....	5,150 15 5	.....	5,150 15 5	8,512 15 9	.....
Loss or depreciation on certain obsolete Water Works stores	.....	8,874 7 8	7,464 9 2	.....	1,409 14 6	.....	1,409 14 6	7,464 9 2	.....
Purchase of 5 sets of survey sheets	.....	2,820 0 0	1,055 0 0	.....	1,765 0 0	1,765 0 0	.....	1,055 0 0	.....
Loss on account of private works irrecoverable bills written off ...	11 13 2	.....	.....	.....	.....	.....	.....	.....	11 13 2
MISCELLANEOUS—Carried over Rs.	2,35,221 8 5	1,24,083 13 0	94,859 8 1	.....	29,224 4 11	13,005 0 1	16,219 4 10	17,082 8 11	1,57,394 9 1
Carried over Rs ..	52,86,291 3 2	55,13,164 1 11	49,54,488 7 6	... ..	5,78,675 10 5	4,47,460 3 8	1,31,215 3 9	1,17,323 12 3	4,69,126 7 15

Appendix No. 5—*concluded.*

PARTICULARS.	Actuals for 1900-1901.	Final sanctioned grants for expenditure during 1901-1902 as per Appendix No. 4.	Actuals for 1901-1902.	As compared with the final sanctioned grants as per column 3.		Amount proposed to be renewed in 1902-1903 out of savings as per column 6.	Net savings.	As compared with the actual for 1900-1901 as per column 2.	
				More.	Less.			More.	Less.
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ..	52,86,291 3 2	55,13,164 1 11	49,34,488 7 6	.....	5,78,675 10 5	4,47,460 6 8	1,31,215 3 9	1,17,323 2 3	4,69,126 7 11
MISCELLANEOUS Brought forward Rs.	2,35,221 8 3	1,24,083 13 0	94,859 8 1	.....	29,224 4 11	13,005 0 1	16,219 4 10	17,032 8 11	1,57,894 9 1
Cost of illuminating the farewell Address presented to Lord Sandhurst on his retirement from the office of Governor of Bombay and of a Silver Casket to contain the Address	465 0 0	.....	.....	.....	.....	.....	.....	.....	465 0 0
Cost of illuminating the Address presented to H. E. the Viceroy on his visit to Bombay and of a Silver Casket to enclose it ..	988 0 0	.....	.....	.....	.....	.....	.....	.....	988 0 0
Cost of the telegram of condolence sent to His Majesty the King and Emperor on the lamented death of Her Majesty the Queen-Empress and of the Address sent to His Majesty	1,323 15 0	275 0 0	275 0 0	.....	.....	.....	.....	.....	1,048 15 0
Loss and depreciation on stores (General Stores)	24,375 7 9	.....	.....	.....	.....	.....	.....	.....	24,375 7 9
	2,62,373 15 0	1,24,358 13 0	95,134 8 1	.....	29,224 4 11	13,005 0 1	16,219 4 10	17,032 8 11	1,84,371 15 10
CONTRIBUTION TO THE CITY IMPROVEMENT TRUST	4,74,605 0 0	4,81,000 0 0	4,81,000 0 0	.....	.....	.....	.....	6,395 0 0	.....
MUNICIPAL DEBT—									
Interest on Loans	19,97,235 7 11	21,80,615 8 4	20,43,150 10 0	.....	1,37,464 15 4	1,37,464 15 4	.....	45,915 2 1	.....
Charges on Loans	8,182 0 7	8,491 13 1	8,490 13 1	.....	1 0 0	1 0 0	.....	308 12 6	.....
Payment towards the reduction of Debt	91,124 14 4	90,200 5 10	87,700 5 10	.....	2,500 0 0	2,500 0 0	.....	.....	3,424 8 6
Payment towards the investment of Interest accrued on Sinking Fund	1,24,618 3 9	1,51,000 0 0	1,46,250 13 9	.....	4,749 2 3	.....	4,749 2 3	21,632 10 0	.....
Payment towards the investment of Sinking Fund	2,82,150 0 0	3,70,982 14 0	3,70,982 14 0	.....	.....	.....	.....	88,832 14 0	.....
	25,03,310 10 7	28,01,290 10 3	26,56,575 8 8	.....	1,44,715 1 7	1,39,965 15 4	4,749 2 3	1,56,689 6 7	3,424 8 6
INVESTMENTS—									
Municipal Buildings Fire Insurance Fund	5,000 0 0	5,000 0 0	5,000 0 0	.....	.....	.....	.....	.....	.....
Interest realized on the Net Premia, &c., Fund	8,867 3 0	7,326 7 0	6,491 7 3	.....	834 15 9	.....	834 15 9	.....	2,375 11 9
Interest realized on Fire Insurance Fund	1,857 11 2	2,406 15 4	2,406 15 4	.....	.....	.....	.....	549 4 2	.....
Worn-out Water Mains Renewal Fund	25,000 0 0	25,000 0 0	25,000 0 0	.....	.....	.....	.....	.....	.....
Interest realized on Worn-out Water Mains Renewal Fund ..	15,815 0 3	18,395 6 5	18,395 6 5	.....	.....	.....	.....	2,580 6 2	.....
School Building Fund	1,860 3 0	1,965 7 11	1,965 7 11	.....	.....	.....	.....	105 4 11	.....
	58,400 1 5	60,094 4 8	59,259 4 11	.....	834 15 9	.....	834 15 9	3,234 15 3	2,375 11 9
	85,84,980 14 2	89,79,907 13 10	82,26,457 13 2	.....	7,53,450 0 8	6,00,431 6 1	1,53,018 10 7	3,00,675 11 0	6,59,198 12 0
Balance out of the sum reserved in the Introductory Remarks to the Budget for 1902-1903 for additional grants to be sanctioned between January and March 1902	.....	69,792 15 2	.....	.....	69,792 15 2	.....	69,792 15 2	.....	.....
	85,84,980 14 2	90,49,700 13 0	82,26,457 13 2	.....	8,23,242 15 10	6,00,431 6 1	2,22,811 9 9	3,00,675 11 0	6,59,198 12 0
LESS—									
Rebate of proportionate amount debitable to the Plague Grant on account of Arthur Road Hospital expenses	922 6 10	.....	.....	.....	.....	.....	.....	922 6 10	.....
Total Rs. ..	85,84,058 7 4	90,49,700 13 0	82,26,457 13 2	.....	8,23,242 15 10	6,00,431 6 1	2,22,811 9 9	3,01,598 1 10	6,59,198 12 0
								Deduct ..	3,01,598 1 1
									3,57,600 10 2

W. E. WAITE,

Chief Accountant.

W. L. HARVEY,

Municipal Commissioner.

Appendix

STATEMENT of Outstanding Loans due by the Municipality and

	Particulars of Loans.	Rate of Interest.	Balance due on 1st April 1901.	Amount raised in 1901-1902.	Total.	Amount repaid in 1901-1902.	Balance due on 31st March 1902.
	1	2	3	4	5	6	7
	Loans raised from Government.		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1	Vehar Water Works Debt	4 per cent....	24,88,260 4 5	.....	24,88,260 4 5	14,700 5 10	24,73,559 14 7
	Loans raised from the Public.						
2	Drainage Loan of 1878 (Rs. 26,94,000)	5 per cent....	18,46,000 0 0	.....	18,46,000 0 0	(a) 73,000 0 0	17,73,000 0 0
3	The Sanitary Works Loan of 1885-86 (Rs. 44 Lakhs)...	5 per cent....	37,39,000 0 0	.....	37,39,000 0 0	(b)	37,39,000 0 0
4	Do. do. of 1888 (Rs. 7 Lakhs)...	5 per cent....	7,00,000 0 0	.....	7,00,000 0 0	(b)	7,00,000 0 0
5	The Tansa Water Works Loan (Rs. 147 Lakhs)...	5 per cent....	1,47,00,000 0 0	.....	1,47,00,000 0 0	(b)	1,47,00,000 0 0
6	The Drainage and Water Works Loan of 1888 (Rs. 12 Lakhs)	5 per cent....	12,00,000 0 0	.....	12,00,000 0 0	(b)	12,00,000 0 0
7	The Miscellaneous Works Loan of 1888-89 (Drainage and Water Works, Markets and Roads) of Rs. 10,08,500	5 per cent....	10,08,500 0 0	.....	10,08,500 0 0	(b)	10,08,500 0 0
8	Agripada House Sullage Water Connections Loan of Rs. 2,48,000 of 1889-1890	5 per cent....	2,48,000 0 0	.....	2,48,000 0 0	(b)	2,48,000 0 0
9	35 Lakhs Various Sanitary Works Loan of 1890-91	5 per cent...	35,00,000 0 0	.....	35,00,000 0 0	(b)	35,00,000 0 0
10	Municipal Building Loan of 1891 (Rs. 8 Lakhs)...	5 per cent....	8,00,000 0 0	.....	8,00,000 0 0	(b)	8,00,000 0 0
11	Loan of 4½ Lakhs for Fire Brigade quarters and Stations	4 per cent....	4,50,000 0 0	.....	4,50,000 0 0	(b)	4,50,000 0 0
12	Loan of 42 Lakhs for repayment of the Balance of the 4½ per cent. Government Consolidated Loan	4 per cent....	42,00,000 0 0	.....	42,00,000 0 0	(b)	42,00,000 0 0
13	Loan of 23¼ Lakhs for Drainage and other Works	4 per cent....	23,25,000 0 0	.....	23,25,000 0 0	(b)	23,25,000 0 0
14	Loan of 15¾ Lakhs for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (1st instalment of Rs. 10 Lakhs)...	3½ per cent...	15,75,000 0 0	.....	15,75,000 0 0	(b)	15,75,000 0 0
	Do. do. (2nd instalment of 5¾ Lakhs)...	4 per cent....					
15	25 Lakhs loan for Sewerage and other Sanitary Works	4 per cent....	25,00,000 0 0	.....	25,00,000 0 0	(b)	25,00,000 0 0
16	20 Lakhs permanent loan for Plague purposes	4 per cent....	12,00,000 0 0	.....	12,00,000 0 0	(b)	12,00,000 0 0
17	19¼ Lakhs loan for Sewerage, Roads and other Sanitary Works	4 per cent....	19,25,000 0 0	.....	19,25,000 0 0	(b)	19,25,000 0 0
18	24¾ Lakhs loan for certain Sewerage and Water Works	4 per cent...	.....	17,00,000 0 0	17,00,000 0 0	(c)	17,00,000 0 0
	Total of Loans raised from the Public...	.....	4,19,16,500 0 0	17,00,000 0 0	4,36,16,500 0 0	73,000 0 0	4,35,43,500 0 0
	GRAND TOTAL ...	Rs. ..	4,44,04,760 4 5	17,00,000 0 0	4,61,04,760 4 5	87,700 5 10	4,60,17,059 14 7

W. E. WAITE,
Chief Accountant.

No. 6.

the sums set aside as Sinking Fund at 31st March 1902.

Interest paid in 1901-1902.	Total of columns Nos. 6 & 8.	REMARKS.
8	9	
Rs. a. p.	Rs. a. p.	
99,275 10 2	1,13,976 0 0	(a) The amount stipulated to be paid off on 1st January 1902 was Rs. 65,000, which, together with 21 unpaid debentures for Rs. 500 each for the preceding years, aggregated Rs. 75,500, against which the debentures actually surrendered for payment up to 31st March 1902, amounted to Rs. 73,000, leaving an unpaid balance of Rs. 2,500. This balance was represented by the following debentures :— No. 810—Repayable on 1st January 1893. No. 1576—Repayable on 1st January 1900. Nos. 1644, 1646, and 1697—Repayable on 1st January 1901. The unpaid debentures do not carry interest and will be repaid from the renewed grant when the parties apply for payment.
		(b) As under the terms of these Loans the bonds cannot be repaid to the holders before the dates stipulated in the Debentures, the Sinking Fund has been invested as under :—

	Amount of Sinking Fund invested up to 1900-1901.	Sinking Fund Instalments paid in 1901-02.	Interest accumulations invested in 1901-02.	Total
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
91,962 8 0 / 1,14,962 8 0	*I.—5 Per cent. Loans.*			
33,475 0 0 / 33,475 0 0	44 Lakhs Sanitary Works Loan	7,43,413 6 5	30,550 0 0	36,904 1 3	8,10,867 7 8
	7 Do. do. do.	1,05,648 8 2	6,000 0 0	5,184 13 5	1,16,833 5 5
7,08,725 0 0 / 7,08,725 0 0	12 Do. Drainage and Water Works Loan	1,92,311 4 11	11,000 0 0	9,477 15 7	2,12,789 4 6
60,862 8 0 / 60,862 8 0	Tansa Water Works Loan of 147 lakhs ...	4,67,910 12 7	42,000 0 0	24,272 13 9	5,34,183 10 4
	Loan of Rs. 10,08,500 for Miscellaneous Works	1,37,668 10 6	8,600 0 0	6,904 1 1	1,53,172 11 7
50,525 0 0 / 50,525 0 0	Agripada House Sullage Water Connections Loan of Rs. 2,48,000	33,880 3 1	2,400 0 0	1,643 0 8	37,923 3 9
	35 Lakhs Various Sanitary Works Loan ...	3,61,928 7 8	29,000 0 0	17,148 15 11	4,11,077 7 7
12,400 0 0 / 12,400 0 0	Municipal Building Loan of 8 Lakhs ...	78,678 13 0	7,000 0 0	4,025 1 5	89,701 14 5
	Total I. ...	21,24,440 2 4	1,36,550 0 0	1,05,558 14 11	23,66,549 1 3
1,85,700 0 0 / 1,85,700 0 0	In 5 per cent. Municipal Debentures at par lodged with the Bank of Bombay ...	21,24,000 0 0	2,42,108 14 11 2,42,500 0 0		23,66,500 0 0
40,000 0 0 / 40,000 0 0	Cash deposited with the Bank of Bombay.	440 2 4	—391 1 1		49 1 3
	II.—4 Per cent. Loans.				
18,920 0 0 / 18,920 0 0	Fire Brigade Quarters and Stations Loan of 4½ Lakhs	73,953 10 8	8,100 0 0	2,792 5 3	84,845 15 11
1,88,010 0 0 / 1,88,010 0 0	42 Lakhs Loan for repayment of the Balance of Government Consolidated Loan	6,07,287 10 6	75,500 0 0	26,001 9 6	7,08,789 4 0
96,990 0 0 / 96,990 0 0	23½ Lakhs Loan for Drainage and other Works	1,37,092 10 6	24,900 0 0	5,977 9 5	1,67,970 3 11
	15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (2nd instalment) ...	19,498 15 3	6,160 0 0	899 3 10	26,558 3 1
57,980 0 0 / 57,980 0 0	25 Lakhs Loan for Sewerage, Water and other Sanitary Works	26,977 15 0	27,000 0 0	1,176 0 2	55,153 15 9
	20 Lakhs Loan for Plague purposes ...	.....	67,500 0 0	1,260 4 4	69,093 2 4
	19¼ Lakhs Loan for Sewerage, Roads and other Sanitary Works	.....	332 14 0 21,000 0 0	391 4 5	21,391 4 5
99,320 0 0 / 99,320 0 0	Total II. ...	8,64,810 13 11	2,30,492 14 0	38,498 4 11	11,33,802 0 10
(d) 46,980 13 0 / 46,980 13 0	In 4 per cent. Municipal Debentures and Bombay Improvement Trust Bonds lodged with the Bank of Bombay ...	8,64,548 2 0	2,68,991 2 11 2,68,935 0 0		11,33,483 2 0
73,669 9 9 / 73,669 9 9	Cash deposited with the Bank of Bombay.	262 11 11	56 2 11		318 14 10
	III.—3½ Per cent. Loan.				
14,070 6 1 / 14,070 6 1	15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground, &c. (1st instalment)	59,276 5 10	12,040 0 0	2,193 9 11	73,509 15 9
19,68,190 12 10 / 20,43,190 12 10	In 3½ per cent. Paper lodged with the Bank of Bombay	59,227 3 0	14,233 9 11 15,784 3 0		73,011 6 0
	Cash deposited with the Bank of Bombay.	49 2 10	449 6 11		493 9 9
(e) 20,67,466 7 0 / 21,55,166 12 10	GRAND TOTAL I, II and III...	30,48,527 6 1	3,79,082 14 0	1,46,250 13 9	35,73,861 1 10

(c) The Sinking Fund Instalment amounting to Rs. 26,500 will be due on 1st June 1904.
(d) Owing to an excess on the amount of the revised estimate, Rs. 5,395-13-0 of this sum have been debited to the Commissioner's personal account pending final adjustment when an extra grant is sanctioned.
(e) Includes Rs 5,395-13-0 debited to the Commissioner's Personal account as per note (d).

W. L. HARVEY,
Municipal Commissioner.

APPENDIX

STATEMENT showing the Interest outstanding on 1st April '1901 on the different of Bombay during that year, and the

	Name of each Loan.	Dates when raised.	Authority.	
			Corporation Resolution.	Government Resolution.
	5—per cent. Loans.			
1	Drainage Loan of 1878 (Rs. 26,94,000)	1st November and 1st December 1878.	No. 1296 10-9-78.	No. 2951 28-9-78.
2	The Sanitary Works Loan of 1885-1886 (Rs. 44,00,000).	Between 5th May 1885 and 30th March 1886.	Nos. 9021 8-12-81, 905 12-5-82 and 438 16-5-83.	Nos. 2669 384 3771 17-7-82, 2-2-83, 19-10-83, 450, and 1240 4-2-84 and 27-4-85.
3	The Sanitary Works Loan of 1888 (Rs. 7,00,000) ...	1st February 1888 ...	No. 991 13-10-86.	No. 1427 4-5-88.
4	The Tansa Water Works Loan (Rs. 1,47,00,000) ...	Between 5th June 1886 and 24th December 1891.	Nos. 1312 13-11-86 and 345 9-4-91.	Nos. 561 1008 1930 12-2-86, 16-3-86, 31-5-86 2876 3978 4193 21-9-87, 21-7-88, 8-10-89, 3392 and 3262-63. 23-8-90 and 15-9-91.
5	The Drainage and Water Works Loan of 1888 (Rs. 12,00,000).	1st January and 1st July 1888.	Nos. 894 20-7-87 and 1145. 8-9-87.	No. 873 16-3-88.
6	The Miscellaneous Works Loan of 1888-1889 (Drainage and Water Works, Markets, and Roads) (Rs. 10,08,500).	Between 1st November 1888 and 1st July 1889.	No. 29. 4-4-88.	No. 4138 24-11-88.
7	Agripada House Sullage and Water Connections Loan of 1889-1890 (Rs. 2,48,000).	Between 1st January and 1st July 1890.	No. 4688 8-10-88.	No. 17 8-1-90.
8	Various Sanitary Works Loan of 1890-1891 (Rs. 35,00,000).	Between 25th September 1890 and 1st January 1892.	Nos. 29 5293 5605 4-4-88, 19-11-88, 7-1-89, 572 5152 6235 13-5-89, 25-11-89, 23-1-90, 433 and 1488 7-4-90 and 22-5-90.	No. 3392 23-8-90.
9	Municipal Building Loan of 1891 (Rs. 8,00,000) ...	24th December 1891...	No. 11551 9-2-91.	No. 3262 15-9-91.
	4 per cent. Loans.			
10	Loan for Fire Brigade Quarters and Stations (Rs. 4,50,000).	23rd December 1892, 30th November and December 1893.	No. 5144 8-8-92.	No. 2501 14-6-92.
11	Loan for repayment of the balance of the 4½ per cent. Government Consolidated Loan (Rs. 42,00,000).	28th and 29th June 1893.	No. 13956. 23-3-93.	No. 1989 8-6-93.
12	Loan for Drainage and other Works (Rs. 23,25,000).	12th and 31st January 1894 and 11th and 15th July 1895.	No. 6222 28-9-93.	Nos. 809 and 3764. 3-3-94 9-10-94.
13	Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (Rs. 15,75,000, of which the 1st instalment of Rs. 10,00,000 was raised at 3½ per cent.).	17th July 1899 ...	Nos. 504 13697 8992 12-4-94, 7-3-95, 7-11-95, 8976 12034/5 and 7-11 95, 4-2-97 14435 25-3-97.	Nos. 3501 883 2320 22-8-95, 22-2-96, 3-6-99 and 2643 23-6-99.
14	Loan for Sewerage and other Sanitary Works (Rs. 25,00,000).	17th and 18th July 1899.	Nos. 8976 12034/5 and 7-11-95, 4-2-97, 14435 25-3-97.	Nos. 3841 and Telegram 28-8-97 26-7-98.
15	Loan for Sewerage, Roads and other Sanitary Works (Rs. 19,25,000).	18th and 19th July 1899 and September 1900.	No. 628 18-4-98.	No. 4960 5-9-98.
16	Permanent Loan for Plague purposes (Rs. 20,00,000).	6 lakhs raised between 15th July and 20th December 1899 and 6 lakhs raised in November 1900.	No. 8099 6-12-97.	No. 4960 5-9-98.
17	24½ lakhs Loan for certain Sewerage and Water Works.	6 lakhs raised between 15th June and 1st July 1901 and 11 lakhs raised between 23rd August and 31st October 1901.	No. 1956 14-5-1900.	No. 427 15-6-1901.
	3½ per cent. Loan.			
13A	Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and Water Works (Rs. 15,75,000, of which the 2nd instalment of Rs. 5¾ lakhs was raised at 4 per cent.).	1st December 1896 ...	(*Vide* Loan No. 13)...	(*Vide* Loan No. 13)...

W. E. WAITE,
Chief Accountant.

No. 7.

Loans, the amounts payable for the year 1901-1902, the amounts paid by the Bank Balance outstanding on the 31st March 1902.

Date when Loan is repayable.	Interest outstanding on 1st April 1901.	Interest payable in 1901-02.	Total interest due.	Less interest paid by the Bank of Bombay.	Outstanding balance on 31st March 1902.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1st January 1919 ...	24,387 8 0	91,775 0 0	1,16,162 8 0	91,962 8 0	24,200 0 0
1st July 1925 ...	23,800 0 0	1,86,950 0 0	2,10,750 0 0	1,88,600 0 0	22,150 0 0
1st February 1928 ...	10,912 8 0	35,000 0 0	45,912 8 0	33,475 0 0	12,437 8 0
Between 1st January 1928 and 1st January 1953.	69,037 8 0	7,35,000 0 0	8,04,037 8 0	7,08,725 0 0	95,312 8 0
1st January 1928 ...	10,737 8 0	60,000 0 0	70,737 8 0	60,862 8 0	9,875 0 0
1st October 1928 ...	650 0 0	50,425 0 0	51,075 0 0	50,525 0 0	550 0 0
1st July 1929 ...	1,825 0 0	12,400 0 0	14,225 0 0	12,400 0 0	1,825 0 0
1st July 1930 ...	27,775 0 0	1,75,000 0 0	2,02,775 0 0	1,85,700 0 0	17,075 0 0
1st July 1931 ...	.....	40,000 0 0	40,000 0 0	40,000 0 0	.....
1st January 1923 ...	2,730 0 0	18,000 0 0	20,730 0 0	18,920 0 0	1,810 0 0
1st July 1923 ...	49,400 0 0	1,68,000 0 0	2,17,400 0 0	1,88,010 0 0	29,390 0 0
1st July 1935 ...	13,659 5 7	98,000 0 0	1,11,659 5 7	96,990 0 0	14,669 5 7
1st July 1936 ...	10 0 0	23,000 0 0	23,010 0 0	22,980 0 0	30 0 0
1st November 1939 ...	.....	1,00,000 0 0	1,00,000 0 0	99,320 0 0	680 0 0
1st June 1940 ...	695 4 8	77,000 0 0	77,695 4 8	a 73,669 9 9 0 0 1	4,025 10 10
1st May 1920 ...	.....	46,980 13 0	46,980 13 0	b 46,980 13 0	.....
1st June 1943 ...	.....	19,315 5 0	19,315 5 0	14,070 6 1	5,244 14 11
1st July 1936 ...	.....	35,000 0 0	35,000 0 0	35,000 0 0	.....
Total Rs...	2,40,619 10 3	19,66,846 2 0	22,07,465 12 3	19,68,190 12 10 0 0 1	2,39,274 15 4

a Amount short paid by the Bank on small pieces for broken periods and treated as a saving.

b Of this Rs. 5,395-13-0 have been debited to Suspense Account for the reasons stated at page 41.

W. L. HARVEY,
Municipal Commissioner.

Appendix

SURPLUS

Statement showing the state of the Surplus Cash

DR.

	Rs. a. p.	Rs. a. p.
To		
Sums payable—		
Deposits, &c., in cash	2,52,265 0 0	
Do. on account of Contractors' Government Paper kept in office...	15,600 0 0	
Government of Bombay on account of income-tax	28 12 4	
Cheques payable	53,911 12 9	
Loan Works Establishment	17,869 15 8	3,39,675 8 9
Reserve Stock per contra	7,10,596 9 2	
Amount to be renewed in 1902-1903 for unpaid charges for and prior to 1901-1902	6,00,431 6 1	13,11,027 15 3
		16,50,703 8 0
Balance at the close of the year 1901-1902—		
Minimum Cash Balance required by the Act	1,00,000 0 0	
SURPLUS CASH BALANCE	**18,33,401 4 4**	19,33,401 4 4
	Total Rs....	35,84,104 12 4

W. E. WAITE,
Chief Accountant.

No. 8.

CASH BALANCE.

Balance at the close of the year 1901-1902.

Cr.

		Rs. a. p.	Rs. a. p.
By			
Cash deposits and investments—			
Cash balance in the office and Bank Treasuries		2,21,565 12 2	
Surplus Funds investments		11,11,741 3 4	
			13,33,306 14 6
Advances—			
To Loan Works—			
Expenditure on Loan Works as per Appendix No. 8 A attached ...		4,02,57,958 14 0	
Less—			
Amount drawn from Loan Funds as per Appendix No. 8 A attached...		3,89,59,480 12 4	
		12,98,478 1 8	
To Municipal and Plague Officers, &c....	Rs. 45,774-1-4		
For Private and Departmental Works...	„ 1,29,349-2-7		
For printing and stamping building and repair certificates and water application forms	„ 397-4-0		
To Contractors	„ 66,202-11-1		
		2,41,723 3 0	
			15,40,201 4 8
Reserve Stock—			
General		21,882 12 3	
Water Works		3,77,211 15 1	
Drainage		3,01,736 4 3	
Executive Engineer		6,854 14 6	
Parel Plague Stores		2,910 11 1	
			7,10,596 9 2
		Total Rs....	35,84,104 12 4

W. L. HARVEY,
Municipal Commissioner.

Appendix No. 8 A.

Statement showing the Expenditure on Loan Works and the amounts invested and drawn from Loan Funds at 31st March 1902.

	Amount of Loan raised.	Amount invested.	Amount withdrawn.	Amount expended.
	Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.
DRAINAGE AND WATER WORKS (Rs. 26,94,000) LOAN OF 1878—				
Drainage, 1st Section	26,94,000	.....	26,94,000 0 0	16,52,449 12 9
Water Works (Bhandarwada)				10,16,830 13 3
	26,94,000	.....	26,94,000 0 0	26,69,280 10 0
SURFACE DRAINAGE WORKS	6,00,000	.....	6,00,000 0 0	6,00,000 0 0
SANITARY WORKS (44 LAKHS) LOAN—				
Surface Drainage Works (Rs. 13,22,134-3-3— Rs. 6,00,000)				7,22,134 3 3
Drainage (1883-84)				10,74,951 2 0
Do. (1884)	44,00,000	.....	44,00,000 0 0	4,01,080 11 5
Ripon Road				1,41,500 1 2
Other Sanitary Works...				87,110 9 6
Water Works				18,95,947 12 0
	44,00,000	.....	44,00,000 0 0	43,23,724 7 4
SANITARY WORKS (7 LAKHS) LOAN—				
Fort Drainage, &c.	7,00,000	.....	7,00,000 0 0	4,62,337 0 0
Water Works				1,42,241 5 4
	7,00,000	.....	7,00,000 0 0	6,04,578 5 4
DRAINAGE AND WATER WORKS (12 LAKHS) LOAN—				
Queen's Road Sewerage, &c.	12,00,000	.....	12,00,000 0 0	9,01,437 3 2
Water Works (Frere Road Main)				80,031 5 0
	12,00,000	.....	12,00,000 0 0	9,81,468 8 2
MISCELLANEOUS WORKS (10,08,500) LOAN—				
Drainage Works				58,396 14 10
Cross Road at Mahaluxmee Station, &c. ...				19,594 4 8
Nowrojee Hill Road	10,08,500	.....	10,08,500 0 0	70,089 2 0
Markets (Erskine Road, &c.)...				4,86,906 2 8
Water Works				1,16,214 3 2
	10,08,500	.....	10,08,500 0 0	7,51,200 11 4
HOUSE SULLAGE WATER CONNECTIONS, AGRIPADA (Rs. 2,48,000) LOAN	2,48,000	.....	2,48,000 0 0	2,33,533 12 10
VARIOUS SANITARY WORKS (35 LAKHS) LOAN—				
Drainage				13,864 7 3
New Roads at Agripada and elsewhere ...				15,20,245 2 5
Bhuleshwar Market Extension and Foras Road Market...	35,00,000	2,19,000 0 0	32,81,000 0 0	3,72,835 15 1
Other Works				3,31,822 8 3
Water Works				8,72,574 9 10
	35,00,000	2,19,000 0 0	32,81,000 0 0	31,11,342 10 10
TANSA WATER WORKS (147 LAKHS) LOAN ...	1,47,00,000	.....	1,47,00,000 0 0	1,46,96,383 7 0
MUNICIPAL BUILDING (INCLUDING FURNITURE, &C.) (8 LAKHS) LOAN	8,00,000	.....	8,00,000 0 0	7,33,060 3 0
FIRE BRIGADE QUARTERS, &C. (4½ LAKHS) LOAN	4,50,000	2,000 0 0	4,48,000 0 0	4,03,220 6 1
Carried over ... Rs.	3,03,00,500	2,21,000 0 0	3,00,79,500 0 0	2,91,06,893 1 11

No. 8-A.—*continued.*

	Amount of Loan raised.	Amount invested.	Amount withdrawn.	Amount expended.
	Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ... Rs.	3,03,00,500	2,21,000 0 0	3,00,79,500 0 0	2,91,06,893 1 11
23¼ LAKHS DRAINAGE, WATER WORKS, ROADS AND OTHER WORKS LOAN—				
Drainage	23,25,000	1,97,000 0 0	21,28,000 0 0	18,19,505 8 1
Falkland Road Overbridge				15,082 9 4
Wari Bunder Bridge				1,32,652 0 0
Other Works				5,890 14 1
Water Works				1,49,522 5 7
	23,25,000	1,97,000 0 0	21,28,000 0 0	21,22,653 5 1
15¾ LAKHS SEWERAGE, WARI BUNDER, &C., ROADS, BURIAL GROUND AND CERTAIN WATER WORKS LOAN—				
Drainage...	15,75,000	2,40,000 0 0	13,35,000 0 0	5,69,077 1 0
Wari Bunder and Victoria Roads, less Rs. 1,56,500 contributed by the Port Trust for Wari Bunder Road				1,62,241 15 4
Burial Ground				2,11,652 4 5
Water Works				5,083 7 2
	15,75,000	2,40,000 0 0	13,35,000 0 0	9,48,054 11 11
25 LAKHS LOAN FOR SEWERAGE, &C., WORKS—				
Drainage	25,00,000	2,00,000 0 0	23,00,000 0 0	10,86,336 8 3
Water Works				955 1 0
Disposal of Town Sweepings and Land for *Burial Ground*				10,94,819 14 3
	25,00,000	2,00,000 0 0	23,00,000 0 0	21,82,111 7 6
19¼ LAKHS LOAN FOR SEWERAGE, ROADS, &C., WORKS—				
Drainage...	19,25,000	7,55,201 11 8	11,69,798 4 4	2,29,420 0 6
Purchase of Land for Burning and Burial Grounds				37,415 11 5
	19,25,000	7,55,201 11 8	11,69,798 4 4	2,66,835 11 11
24¾ LAKHS LOAN FOR SEWERAGE AND WATER WORKS—				
Drainage	17,00,000	9,52,817 8 0	7,47,182 8 0	5,83,517 1 3
	17,00,000	9,52,817 8 0	7,47,182 8 0	5,83,517 1 3
EXECUTED OUT OF SAVINGS ON DIFFERENT LOANS—				
Drainage	.....	.....	.....	4,54,004 15 10
Water Works	.....	.....	.....	1,89,018 0 8
Markets	.....	.....	.....	37,944 1 5
Roads, &c.	.....	.....	.....	66,266 11 1
Miscellaneous Works	.....	.....	.....	17,839 7 9
	.....	.....	.....	7,65,973 4 9
ADVANCES FROM SURPLUS BALANCES—				
Drainage	.....	.....	.....	57,982 13 10
Water Works	.....	.....	.....	1,877 12 0
Roads and Overbridges	.....	.....	.....	29,158 3 8
Other Works	.....	.....	.....	1,22,446 13 7
	.....	.....	.....	2,11,465 11 1
LOAN FOR PLAGUE EXPENSES—				
Plague Expenses incurred from 1896-97 to 1901-1902 (deducting Rs. 14½ lakhs met from the Government Contribution) ...	12,00,000	.....	12,00,000 0 0	40,71,354 6 7
GRAND TOTAL...Rs.	4,15,25,500	25,66,019 3 8	3,89,59,480 12 4	4,02,57,958 14 0

W. E. WAITE,
Chief Accountant,

W. L. HARVEY,
Municipal Commissioner.

Appendix

LIABILITIES AND ASSETS OF THE BOMBAY

Liabilities.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Debt.			
Due to Government—			
Vehar Debt		24,73,559 14 7	
Due to the Public—			
5 % Loans.			
Drainage Loan of 1878 (Rs. 26,94.000)	17,73,000 0 0		
44 Lakhs Sanitary Works Loan of 1885-86	37,39,000 0 0		
7 Lakhs Sanitary Works Loan of 1888	7,00,000 0 0		
12 Lakhs Drainage and Water Works Loan	12,00,000 0 0		
Miscellaneous Works Loan of Rs. 10,08,500	10,08,500 0 0		
Agripada House Sullage Water Connection Loan of Rs. 2,48,000	2,48,000 0 0		
35 Lakhs Various Sanitary Works Loan	35,00,000 0 0		
Tansa Water Works Loan of 147 Lakhs	1,47,00,000 0 0		
Municipal Building Loan of 8 Lakhs	8,00,000 0 0		
	2,76,68,500 0 0		
4 % Loans.			
4½ Lakhs Loan for Fire Brigade Quarters and Stations ...	4,50,000 0 0		
42 Lakhs Loan for Repayment of Balance of Government Consolidated Loan	42,00,000 0 0		
23¾ Lakhs Loan for the Construction of Drainage, Water, Roads and other Works	23,25,000 0 0		
15¾ Lakhs Loan for the Construction of Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (2nd Instalment)	5,75,000 0 0		
25 Lakhs Loan for Sewerage, Water and other Sanitary Works	25,00,000 0 0		
19¼ Lakhs Loan for Sewerage, Roads and other Sanitary Works	19,25,000 0 0		
20 Lakhs Loan for Plague Expenses (1st and 2nd Instalments)	12,00,000 0 0		
21¾ Lakhs Loan for Sewerage and Water Works (1st and 2nd Instalments)	17,00,000 0 0		
	1,48,75,000 0 0		
3½ % Loan.			
15¾ Lakhs Loan for the Construction of Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (1st Instalment)	10,00,000 0 0		
		4,35,43,500 0 0	
			4,60,17,059 14 7
DEPOSITS.			
Contractors', &c., deposits in cash	2,39,009 10 9		
Deposits on account of works performed for private parties.	13,255 5 3		
		2,52,265 0 0	
Contractors', &c., Government, &c., Paper Deposits (lodged at the Bank of Bombay)	2,25,800 0 0		
Contractors', &c., Government, &c., Paper Deposits (kept in Office)	15,600 0 0		
Deposit on account of Sir Mangaldas Nathoobhai's Clock ...	500 0 0		
		2,41,900 0 0	
		4,94,165 0 0	
Government of Bombay on account of Income Tax recovered from Establishments...	18 12 4		
Do. recovered from Owners of Public Land Conveyances.	10 0 0		
		28 12 4	
			4,94,193 12 4
Loan Works Establishment			17,869 15 8
Cheques payable			53,911 12 9
			4,65,83,035 7 4
Balance being Assets in excess of Liabilities ...			1,53,52,515 1 6
		Total Rs...	6,19,35,551 7 1

W. E. WAITE,
Chief Accountant.

No. 9.

MUNICIPALITY AT 31ST, MARCH 1902.

Assets.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
I. Cash Balance on 31st March 1902			2,21,565 12 2
II. Advances Recoverable—			
a. Cash advanced to Municipal and Plague Officers—			
To Municipal Officers	30,095 3 4		
„ Plague Officers	292 0 3	30,387 3 7	
b. Inter-departmental Charges—			
Workshops (Private and Departmental Works)	12,079 0 1		
Engineer's Department (Private Works)	93,028 11 5		
Engineer's Department (Departmental Works) ...	24,241 7 1	1,29,349 2 7	
c. Advances to Contractors		66,202 11 1	
d. Miscellaneous		15,784 1 9	
			2,41,723 3 0
			4,63,288 15 2
III. Investments—			
a. Surplus Fund Deposits...		11,11,741 2 4	
b. Loan Funds		25,66,019 3 8	
c. Sinking Funds		35,78,861 1 10	
d. Municipal Buildings Fire Insurance Fund	56,064 2 10		
e. Worn-out Water Mains Renewal Fund	4,13,002 10 10		
f. Net Premia Fund	*82,811 11 1		
g. School Building Fund	58,357 5 3	6,10,235 14 0	
		78,61,857 5 10	
h. Contractors', &c., Paper Deposit	2,25,800 0 0		
i. Paper Deposit on account of Sir Mangaldas Nathoobhai's Clock	500 0 0	2,26,300 0 0	
			** 80,88,157 5 10
IV. Reserve Stock—			
General Stores		21,882 12 3	
Water Works Stores		3,77,211 15 1	
Drainage Stores		3,01,736 4 3	
Executive Engineer's Stores (Kerosine Oil)		6,354 14 6	
Parel Plague Stores...		2,910 11 1	
			7,10,596 9 2
V. Loan Works—Construction—			
a. Buildings and Sanitary Structures...		49,23,049 15 0	
b. Roads and Bridges		27,00,069 11 7	
c. Drainage (including Buildings)...		1,11,98,665 4 1	
d. Water Works (do.)		2,77,15,142 13 6	
e. Cemeteries (Burning and Burial Grounds)		5,69,888 0 6	
f. Disposal of Town Sweepings		9,78,859 0 4	
g. Miscellaneous		50,000 0 0	
		† 4,81,35,672 13 0	
VI. Unbooked Property		‡ 45,37,835 11 11	
			5,26,73,508 8 11
		Total Rs.	..6,19,35,551 7 1

* Of this Rs. 77,966-9-7 belong to the Water Works Account.
** *Vide* Accompaniment **B.**
† *Vide* Accompaniment **A.**
‡ In addition to this sum properties, &c., acquired from current revenue since 1883-84 have remained unbooked.

W. L. HARVEY,
Municipal Commissioner.

Appendix No. 9-A.

Schedule of New Works, &c., carried out from Loan and Special Funds up to 31st March 1902.

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—Buildings and Sanitary Structures—			
Bandora Slaughter Houses...	2,34,297 12 8		
Workshop and Store Shed	1,49,079 7 1		
Girgaum Police Court (Share of)...	34,000 0 0		
Null Bazar Market	1,50,770 1 7		
Fort Market	22,066 7 11		
Bhuleshwar Market	64,780 15 4		
Arthur Crawford Market	11,39,410 11 6		
		17,94,405 8 1	
44 *Lakhs Sanitary Works Loan—*			
Enlargement of Dhobi Lines at Mahaluxmi	28,499 12 3		
Chawl for Gowlies working at the Agripada Milch Cattle Stables	6,129 13 6		
Health Department Stables at Bori Bunder	43,677 13 3		
Establishment charges for the above 3 works	8,803 2 6		
		87,110 9 6	
10,08,500 *Miscellaneous Works Loan—*			
Market at Colaba	* 44,393 15 11		
Extension of Erskine Road Market	† 3,99,758 0 0		
Extension of the Arthur Crawford Mutton Market	42,754 2 9		
		4,86,906 2 8	
35 *Lakhs Various Sanitary Works Loan—*			
Health Department Bullock Stables and Quarters for Scavengers...	44,448 7 5		
Bhuleshwar Market Extension	3,22,817 1 11		
Labourers' Quarters in connection with the Arthur Crawford Market	9,518 14 3		
Foras Road Market	40,499 14 11		
Chawl for Halalkhores in Cursetji Suklaji Street ...	88,460 8 2		
		5,05,744 14 8	
8 *Lakhs Loan and Special Invested Fund—*			
Municipal Office Buildings		14,67,386 11 3	
4½ *Lakhs Fire Brigade Loan—*			
Land and Buildings for Fire Brigade		4,03,320 6 1	
Executed out of savings on different Loans—			
Latrines at Colaba	10,590 14 1		
Constructing new Quarters for an Engineer and (10) lascars at Sankli Tank Fire Brigade station	7,193 13 8		
Portion of Cost of Site for the Colaba Market	28,060 0 0		
Currey Road Market	9,821 1 5		
Market at Chowpatti	63 0 0		
		55,728 13 2	
Advanced from Surplus Balances—			
Health Department Stables in F. and G. Wards ...	68,120 8 2		
Do. Bigaries' Chawl at Bori Bunder ...	50,068 0 7		
Do. Quarters for Halalkhores	4,268 4 10		
		1,22,446 13 7	
			49,23,049 15 0
B.—Roads and Bridges—			
Overbridges	1,97,563 0 1		
Foras Road	1,12,418 14 10		
Nowroji Hill Road	57,913 3 0		
		3,67,895 1 11	
B—Roads and Bridges— Carried over Rs...		3,67,895 1 11	
		Carried over Rs...	49,23,049 15 0

* Exclusive of Rs. 21,940 paid out of the Premia received on the Loan and Rs. 28,060 paid out of Savings on different Loans.

† Exclusive of Rs. 31,903-11-11 paid out of the Premia received on the Loan.

Appendix No. 9A—*contd.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			49,23,049 15 0
B—Roads and Bridges—*contd.* ...		3,67,895 1 11	
44 *Lakhs Sanitary Works Loan*—			
Road from Bellasis Road across Old Race Course (including Establishment charges)		1,41,500 1 2	
10,08,500 *Miscellaneous Works Loan*—			
Cross Road at Mahaluxmi Station from Clarke Road to Haines Road	19,594 4 8		
Road through Nowroji Hill	70,089 2 0		
		89,683 6 8	
35 *Lakhs Various Sanitary Works Loan*—			
Roads and Streets in Agripada and elsewhere... ...		15,20,245 2 5	
23½ *Lakhs Loan*—			
Falkland Road Bridge	15,082 9 4		
Wari Bunder Bridge	1,32,652 0 0		
		1,47,734 9 4	
15¾ *Lakhs Loan*—			
Wari Bunder Road	2,87,846 5 0		
Victoria Road Extension	30,895 10 4		
		3,18,741 15 4	
Executed out of Savings on different Loans—			
Diversion of Arthur Road over the masonry culvert ...		16,266 11 1	
Advanced from Surplus Balances—			
Land for Overbridge at the junction of Fergusson and DeLisle Roads	1,984 0 0		
Land for Overbridge at Currey Road	7,388 3 10		
Land at Cavel Street	1,556 13 4		
Acquisition of the property of Karimbhoy Jumabhoy at Ferguson Road near the B. B. & C. I. Railway DeLisle Road level crossing	18,229 2 6		
		29,158 3 8	
Met out of the Nesbit Road Bridge Invested Fund—			
Nesbit Road Bridge (Portion of cost)		49,844 8 0	
Met out of the Road Improvement Fund—			
Spent on Special Street Improvements		19,000 0 0	
			27,00,069 11 7
C.—Drainage Works—			
Fort Sewers	78,627 4 8		
Kamatipura Drain	1,91,047 8 10		
Drains in Fanaswadi and Agiary Lane	1,852 12 3		
Branch Sewers, Bellasis Road	7,108 6 1		
		2,78,635 15 10	
Surface Drainage Works executed out of the 6 Lakhs included in the Government Consolidated Loan and Rs. 8,12,000 included in the 44 Lakhs Loan—			
Widening Love Grove Sluices	1,57,326 7 7		
Culverts under the B. B. & C. I. Railway near Bellasis Road	1,791 0 8		
Khetwady Survey	5,599 10 0		
Raising level of Khetwady Roads	28,355 0 1		
Surface Drainage Works, &c., carried over ...	1,93,072 2 4		
Carried over ... Rs.		2,78,635 15 10	76,23,119 10 7

Appendix No. 9A—*contd.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...		2,78,635 15 10	76,23,119 10 7
C.—Drainage Works, &c.—*contd.*			
Surface Drainage Works, &c.— brought forward...	1,93,072 2 4		
Raising private compounds in Khetwady	25,336 2 1		
Three branch drains in Khetwady and storm-water entrances	31,711 15 6		
Intercepting drain, Tardeo District, and storm-water entrances	1,69,851 10 4		
Making connection between low level sewers and new main drains	2,610 8 10		
Intercepting drain from Pydhoni to Bellasis Road and storm-water entrances	3,03,229 3 9		
Enlarging old open main drain	71,318 13 5		
Laying a new 24″ main and removing old 24″ Tulsi main	74,226 14 0		
Constructing storage reservoir on the Flats and raising levels of manholes and sewers	1,86,225 12 6		
Establishment for the above works	1,21,413 0 0		
Contingencies	63,627 6 11		
Cleaning the Worli Storm-water drain and widening the channels south of the Love Grove sluices ...	79,510 9 7	13,22,134 3 3	
Drainage Loan of 1878—			
Main sewers...	4,93,691 8 2		
Pipe sewers	3,00,746 13 1		
Outfall sewer	2,55,766 10 0		
New pumping machinery	98,289 9 6		
New engine house	95,742 3 9		
Kamatipura Drainage	76,471 4 6		
Clerk Road Ovoid sewer	39,259 5 11		
Government Commission charges	5,211 15 9		
Preliminary expenses	13,429 6 5		
Departmental works	1,072 1 3		
Compensation for land	18,831 11 1		
Proportion of repairs to roads (opened for the works)	34,372 14 7		
Miscellaneous charges	22,303 15 7		
Establishment for the above works	1,45,000 0 0		
Contingencies	51,167 7 9		
Repairs to old Main Drain at Falkland Road	2,093 13 5	16,52,449 12 9	
44 *Lakhs Loan*—			
House connections without privy fittings	6,32,080 1 7		
Shaft ventilators	44,947 0 6		
Closing storm-water openings in Frere Road Sewer...	17,108 9 6		
Two more pumping engines	98,438 1 9		
Queen's Road intercepting sewer	1,53,969 0 0		
House connection survey	4,561 13 3		
House connections, Kamatipura Drainage	34,977 7 5		
Establishment charges	88,869 0 0		
Pipe sewer from Clare Road along south portion of Haines Road and DeLisle Road	1,14,260 0 7		
Pipe sewer from Parel Workshop to Clerk Road Ovoid sewer	65,793 9 11		
Extension of Clerk Road Ovoid sewer to Parel Road...	35,569 8 0		
Ovoid sewer across the old Race Course	59,746 13 2		
Ovoid sewer from the Crawford Market down Hornby Road to Bazar Gate and thence to the Mint ...	89,401 11 9		
Establishment	36,309 0 0	14,76,031 13 5	
7 *Lakhs Sanitary Works Loan*—			
Adjustment of the extra expenditure incurred on the Queen's Road intercepting sewer	9,633 10 8		
Fort Drainage	3,68,422 5 9		
Establishment charges	39,419 0 0		
New Works at Love Grove Pumping Station... ...	34,645 9 6		
Construction of a side drain along Wari Bunder Road	4,934 0 1		
Construction of a pipe sewer in certain lanes in Khetwady	5,282 6 0	4,62,337 0 0	
C.—Drainage Works carried over ...Rs.		51,91,588 13 3	
Carried over ...Rs.			76,23,119 10 7

Appendix No. 9A—*contd.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			76,23,119 10 7
C—Drainage Works—*contd.*		51,91,588 13 3	
12 *Lakhs Loan*—			
Queen's Road Pipe sewer including contingencies ...	6,09,998 4 2		
Queen's Road house connections	2,05,306 0 9		
Establishment and contingencies	86,132 14 3		
		9,01,437 3 2	
10,08,500 *Miscellaneous Works Loan*—			
Extension of Parel Road storm-water drains from Bellasis Road to ⅓rds the length of Ripon Road...	41,106 6 9		
9" Pipe sewer along Bellasis Road, Foras Road and Gilder Street	17,290 8 1		
		58,396 14 10	
2,48,000 *Agripada House Sullage Water-connection Loan*—			
House Sullage Water-connections at Agripada... ...		2,33,533 12 10	
35 *Lakhs Various Sanitary Works Loan*—			
Sewer flushing arrangements		13,864 7 3	
23¼ *Lakhs Loan*—			
Pumps and steam engine for the working of the Love Grove Pumping Station	4,63,345 8 6		
Sewerage of Colaba...	8,18,531 5 6		
Sewerage of Umarkhadi District	3,66,576 8 11		
Storm-water drains in Moreland, Souter, Club and Gilder Streets	79,644 0 2		
Storm-water drains in different places	21,819 11 2		
Storm-water drains in Connaught and Sussex Roads ...	35,923 15 9		
Miscellaneous extensions and improvements of drains...	33,664 6 1		
		18,19,505 8 1	
15¾ *Lakhs Loan*—			
Sewerage of the Mazagon District on gravitation system	3,06,680 0 5		
Sewerage of Malabar and Khamballa Hills on gravitation system	1,31,666 0 1		
Sewerage of Fergusson Road and Chinchpokli District..	89,829 8 5		
Raising sewerage in Queen's Road sewer	1,862 0 0		
Sewerage of Old Race Course District on gravitation system	39,039 8 1		
		5,69,077 1 0	
25 *Lakhs Loan*—			
Machinery for the sewerage of Parel, the Mazagon, &c., sectional districts	8,61,871 4 9		
Mazagon district, sectional...	1,87,686 15 4		
Storm-water drain from Wellington Fountain *via* Bandstand to the sea	36,778 4 2		
		10,86,336 8 3	
19¼ *Lakhs Loan*—			
Improvements in the road side drains along Bhoiwada Cross Road and new side drains along portions of Dadar Road, &c.	22,302 3 0		
Surface drainage of Kamatipura	83,440 9 2		
Storm-water drain in Tardeo Road	1,11,839 10 11		
Low level channel from the Tardeo Flats to Worli Point	11,837 9 5		
		2,29,420 0 6	
24¾ *Lakhs Loan*—			
Sewerage of the Fergusson Road and Chinchpokli District on the sectional system	1,31,532 8 11		
Sewerage of the Parel District on the sectional system...	2,57,949 4 1		
Completion of house drainage connections in different parts of the city	1,94,035 4 3		
		5,83,517 1 3	
C—Drainage Works carried over ...Rs.		1,06,86,677 6 5	
Carried over ... Rs.			76,23,119 10 7

Appendix No. 9A—*contd.*

	Amount.			Total.			Grand Total.		
	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.
Brought forward ...							76,23,119	10	7
C—Drainage Works—*contd.* ...				1,06,86,677	6	5			
Executed out of savings on different Loans—									
Pipe sewer in Currey Road	2,595	15	5						
Main sewerage of Parel	22,121	7	8						
Arching over with brick masonry the main drain at the Arthur Road crossing	15,655	0	4						
9" Pipe sewer at Lalwadi	2,087	8	2						
Laying branch pipe sewers in the village of Parel ...	17,527	13	11						
Completing the storm-water drain from the top of Bazar Gate to the Salvation Army Hall, Hornby Road ...	14,460	2	7						
Sewerage of Parel on the gravitation system	62,081	1	5						
Storm-water drain in Cruikshank Road	17,337	6	0						
Laying a 9" pipe for the carriage of storm-water to the sea from the eastern half of Wodehouse Road ...	1,992	1	3						
Laying a 9" pipe line at the Parel village	878	7	3						
Constructing a catchpit on the Mint Road sewer opposite the European General Hospital	4,880	10	8						
Altering and ovoiding storm-water drain in Girgaum...	11,648	14	10						
Construction of a storm-water drain in Khetwadi ...	52,662	2	8						
Draining the storm-water from the public road round the Mahaluxmi Dhobiwada	1,156	0	3						
Converting the old engine house at Love Grove into an office and godown and constructing a shred-lifter chamber with 4 shred-lifters	25,031	4	1						
Tidal flaps on the ovoid sewers	10,377	5	0						
Drainage arrangements at Tardeo Road	2,292	0	8						
Laying 9" pipe sewer in Fergusson Cross Road ...	2,261	14	9						
Masonry drain from Girgaum Road and passing through Night-soil Depôt	21,317	6	7						
Opening out the public water-course behind Mr. Cama's property at Parel Road	3,362	6	7						
Laying a 12" Pipe from the emergent reservoir to manhole in Apollo Street	3,169	7	8						
Storm-water drains in different places	34,904	7	9						
Ovoiding and constructing masonry side drains in different places	17,895	11	11						
Ovoiding and constructing masonry side drains on Carrol Road north side	2,711	3	3						
Constructing storm-water drains and ovoiding and constructing masonry side drains in different places...	20,493	10	8						
Automatic flush tanks on pipe sewers	38,434	0	10						
Improving side drains, Malabar Hill	7,672	13	6						
Storm-water drains at Fergusson Road from DeLisle Road to the Water-course (3,200 feet) west of the Road	29,964	4	9						
Providing and constructing masonry side drain in Malabar Hill	4,201	13	9						
Providing and constructing masonry side drains (*a*) on Naigaum Cross Road on both sides from Vincent Road to Dadar and (*b*) east and west of Ghorupdeo Road...	2,768	7	4						
Constructing quarters for workmen at Love Grove Air Compressor Station (including purchase of land and an old chawl)	13	0	0						
Constructing additional quarters for Lascars at Love Grove	148	12	4						
				4,54,004	15	10			
Advanced from Surplus Balances—									
Establishment for the preparation of plans and estimates for the sewerage of Mazagon, Parel and Old Race Course Districts	10,338	0	0						
Tracing the plans and sections of the Parel, Mazagon, and Old Race Course Districts	658	15	0						
Cost of obtaining advice from Mr. Santo Crimp on subsoil and surface drainage and other matters (including printing, &c., charges)	31,128	4	7						
17 Catch-pits on pipe sewers	15,757	6	3						
Do. on ovoid sewers	100	4	0						
				57,982	13	10			
							1,11,98,665	4	1
Carried over ...Rs							1,88,21,784	14	8

Appendix No. 9A—*contd.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			1,88,21,784 14 8
D.—Water Works—			
Vehar Lake (value of)		45,31,943 7 9	
Tulsi Water Works	37,61,888 6 0		
Vehar Outlet Tower...	2,38,111 10 0		
		40,09,000 0 0	
Drainage and Water Works Loan of 1878—			
Service Reservoir at Bhandarwada	.....	10,16,830 13 3	
44 *Lakhs Sanitary Works Loan—*			
Tulsi gathering ground	60,000 0 0		
Malabar Hill Reservoir	4,00,000 0 0		
New hydrants including cost of erection	20,876 7 1		
Tulsi gathering ground	34,500 0 0		
Construction of a double-storied chawl for the Water Works staff and quarters for the Superintendent ...	29,182 3 3		
Survey of new catch-water channels, &c.	7,838 4 1		
Construction of filter beds at Vehar	1,04,433 15 11		
Improvement of the water-supply of the outlying districts	6,82,065 0 8		
Raising the Tulsi Dams	1,13,257 9 7		
Providing additional catch water channels at Vehar and Tulsi	91,794 0 6		
Purchase of check meters for the prevention of waste of water	1,27,132 14 8		
Enlarging different mains...	1,03,130 8 6		
Cost of new water mains from Nesbit Road to Babula Tank	15,000 0 0		
Establishment charges	80,770 0 0		
Portion of excess cost of the Vehar Outlet Tower debitable to this Loan	23,684 11 9		
Provision of turbine at the Malabar Hill Reservoir	2,282 0 0		
		18,95,947 12 0	
7 *Lakhs Sanitary Works Loan—*			
Malabar Hill Reservoir (extra cost)	1,14,039 2 6		
Increasing and improving the distribution of the water supply and providing higher levels, Tulsi District, with filtered water	20,211 8 4		
Portion of excess cost of Vehar Outlet Tower	7,990 10 6		
		1,42,241 5 4	
12 *Lakhs Drainage and Water Works Loan—*			
18" Main in Frere Road from the Bhandarwada Reservoir to Carnac Road and 12" main from Carnac Road to Mint		80,031 5 6	
10,08,500 *Miscellaneous Works Loan—*			
Concrete trench, waste weir, Vehar Lake	30,608 7 1		
Mains in 14 streets west of Frere Road and other mains in various places	59,275 1 8		
Arthur Road connection works necessitated by the laying of the Tansa 27" main	9,542 10 5		
Deacon's meters	16,788 0 0		
		1,16,214 3 2	
35 *Lakhs Various Sanitary Works Loan—*			
Providing an asphalt surface to the floor of the settling basin of the Malabar Hill Reservoir and other works in connection therewith...	92,872 9 2		
Pawai Water Works	6,60,479 6 9		
Additional Water Mains...	98,386 0 10		
Extension of Tulsi Catch Water Channel	20,836 9 1		
		8,72,574 9 10	
D. Water Works carried forward Rs. ...		1,26,45,783 8 4	
Carried over .. Rs.			1,88,21,784 14 8

Appendix No. 9A—*contd.*

	Amount.	Total.	GRAND TOTAL.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward			1,88,21,784 14 8
D—Water Works—*contd.*		1,26,45,783 8 4	
147 *Lakhs Tansa Loan*—			
Tansa Water Works including cost of survey		*1,46,96,383 7 0	
15¾ *Lakhs Loan*—			
Improvements of the outlet towers at Vehar and Tulsi		5,083 7 2	
25 *Lakhs Loan*—			
New mains in Reay Road, &c.		955 1 0	
23¼ *Lakhs Loan*—			
Extension of water mains in various places	28,026 6 5		
Further alterations and improvements at the Malabar Hill Reservoir	29,971 14 8		
Covering storage basin of the Bhandarwada Reservoir and constructing filters over it	91,052 13 0		
Road from Vehar to Tulsi with a light tramway to carry pipes	471 3 6		
		1,49,522 5 7	
Executed out of savings on different Loans—			
New mains in various places	28,803 1 1		
Covering storage basin at the Bhandarwada Reservoir and constructing filters over it	44,597 14 4		
Excess cost of Worli Road main	21,696 4 1		
Residence of the Chief Inspector, Water Works, at Babula Tank Road and rooms for 6 sluicemen ...	32,028 1 3		
24" and 27" mains from Malabar Hill Reservoir to Frere Fountain	50,093 1 2		
Connections at Chinchpokli between Tansa and Vehar Mains	7,402 1 4		
Laying water mains in Wellington Lines	4,397 9 5		
		1,89,018 0 8	
Advanced from Surplus Balances—			
Fee to Major Tulloch for preparing report on the best means of filtration of the Tulsi water-supply in Bombay		1,877 12 0	
Paid out of the Worn-out Water Mains Renewal Fund—			
Cost of renewing 3" main in Worli Road with 9" pipes (chargeable to revenue)		26,517 3 9	
			2,77,15,140 13 6
E—*Cemeteries (Burning and Burial Grounds)*—			
15¼ *Lakhs Loan*—			
Burial ground for Mahomedans and Beni-Israels ...		2,11,652 4 5	
19¼ *Lakhs Loan*—			
Purchase of two sites of land for burning and burial grounds at Mahim, including cost of enclosure walls, &c.		37,415 11 5	
E.—Cemeteries (Burning and Burial Ground) carried over Rs.		2,49,067 15 10	
		Carried over Rs...	4,65,36,925 12 2

* Exclusive of Rs. 2,40,000 paid out of the Premia received on the Loan.

Appendix No. 9A—*concld.*

	Amount.	Total.	Grand Total.
Brought forward			4,65,36,925 12 2
E—Cemeteries (Burning and Burial Ground)—*contd.*		2,49,067 15 10	
25 *Lakhs Loan*—			
Purchase of land from Mr. Ashburner for extension of burial ground for Mahomedans	1,17,046 0 6		
Purchase of land in Narielwady for future extension of burial ground for Mahomedans	1,32,178 6 6		
Extension of burial ground at the Sewri Cemetery ...	71,595 9 8		
		3,20,820 0 8	
			5,69,888 0 6
F—*Disposal of Town Sweepings*—			
35 *Lakhs Loan*—			
Purchase of land on the Flats required for the disposal of town sweepings		1,98,913 8 8	
23½ *Lakhs Loan*—			
Purchase of land on the Flats for the deposit of kutchra		5,890 14 1	
25 *Lakhs Loan*—			
Disposal of town sweepings at Chimbur		7,73,999 13 7	
Executed out of savings on different Loans—			
20 Additional wagons for the disposal of town-sweepings		54 12 0	
			9,78,859 0 4
G—*Miscellaneous*—			
Executed out of savings on different Loans—			
Providing and fixing of new pattern hydrants for watering and fire brigade purposes			50,000 0 0
		Total Rs....	4,81,35,672 13 0

W. E. WAITE,
Chief Accountant.

W. L. HARVEY,
Municipal Commissioner.

Appendix No. 9B.

STATEMENT showing the Invested Balances on 31st March 1902 as compared with 31st March 1901.

	On 31st March 1901.	On 31st March 1902.	More.	Less.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A—SURPLUS FUND INVESTMENTS—				
In cash, current and fixed deposit accounts and in 5 per cent. Municipal and 4 per cent. Municipal and City Improvement Trust Debentures	15,22,790 12 11	11,11,741 2 4	.....	4,11,049 10 7
Loan Fund Balances (in 5 per cent. and 4 per cent. Municipal Debentures and in current account and fixed deposits with Local Banks)	20,15,894 3 1	25,66,019 3 8	5,50,125 0 7	.....
Rs...	35,38,685 0 0	36,77,760 6 0	5,50,125 0 7	4,11,049 10 7
B—SINKING FUND—				
5 per cent. Municipal Loans (in 5 per cent. Municipal Debentures and Cash)	21,24,440 2 4	23,66,549 1 3	2,42,108 14 11	.....
4 per cent. Municipal Loans (in 4 per cent. Municipal and City Improvement Trust Debentures and Cash)	8,64,810 13 11	11,33,802 0 10	2,68,991 2 11	.....
3½ per cent. Municipal Loans (in 3½ per cent. Government Paper and Cash) ...	59,276 5 10	73,509 15 9	14,233 9 11	.....
Rs...	30,48,527 6 1	35,73,861 1 10	5,25,333 11 9	.....
C—MISCELLANEOUS FUNDS—				
Municipal Buildings Fire Insurance Fund (in 5 per cent. Municipal and 4 per cent. Municipal and City Improvement Trust Debentures, and 3½ per cent. Government Paper and Cash) ...	48,657 3 6	56,064 2 10	7,406 15 4	.....
Worn-out Water Mains Renewal Fund (in 5 per cent. Municipal and 4 per cent. Municipal and City Improvement Trust Debentures, and 3½ per cent. Government Paper and Cash) ...	3,69,607 4 5	4,13,002 10 10	43,395 6 5	.....
Net Premia Fund (in 5 and 4 per cent. Municipal Debentures, and Cash) ...	1,20,109 0 4	82,811 11 1	.....	37,297 5 3
School Building Fund (in 3½ per cent. Government Paper and Cash)... ...	56,391 13 4	58,357 5 3	1,965 7 11	.....
Rs...	5,94,765 5 7	6,10,235 14 0	52,767 13 8	37,297 5 3
	71,81,977 11 8	78,61,857 5 10	11,28,226 10 0	4,48,346 15 10
Contractors', &c., Deposits in Government and other Securities	2,08,000 0 0	2,26,300 0 0	18,300 0 0	.....
TOTAL Rs. ...	73,89,977 11 8	80,88,157 5 10	11,46,526 10 0	4,48,346 15 10
			4,48,346 15 10	
		Rs.	6,98,179 10 2	

W. E. WAITE,
Chief Accountant.

W. L. HARVEY,
Municipal Commissioner.

Appendix No. 10.

STATEMENT of Expenditure on Plague Operations from 1st April 1901 to 31st March 1902.

	Amount. Rs. a p.
Central Offices, Superior	4,100 13 9
Do. Subordinate	17,707 9 0
District Offices, Superior	44,157 7 10
Do. Subordinate	38,412 13 11
Hospitals, Superior	4,918 1 8
Do. Subordinate	17,623 13 1
Death Registration Ramosis	32,337 15 3
Labourers, Halalkhores, Scavengers, Lime Washers, and Tile Turners	68,897 8 10
Grain Compensation	446 5 2
Police Plague Expenses	8,831 6 2
	2,37,433 14 8
Contingencies	14,603 12 4
Printing and Stationery	7,005 10 6
Food Supply, &c., Hospitals	13,015 11 11
Petty Stores	8,538 5 8
Lime	780 6 0
Clothing (Uniform to Ramosis, &c.)	4,830 10 11
Medicines, Medical Instruments, and Appliances	13,039 6 8
Construction, Repairs, Maintenance, &c., of District Offices, Sheds, Hospitals, &c.	16,298 1 0
Disinfectants	30,247 9 8
Rent of Ground, Godown, and Quarters	17,351 1 4
Making and repairing of ambulances and hand carts, &c.	649 0 9
Law Charges	81 8 0
Stores, firewood for cremation of dead bodies, &c.	5,275 10 8
Arthur Road Hospital	*Cr.* 8,057 8 6
Cleaning and flushing drains	5,824 3 7
Inspection of houses in different parts of the City	30,714 10 7
Cost of preparing Professor Lustig's curative serum in Bombay	20,645 2 1
Compassionate Allowance	600 0 0
Assessment Taxes	321 9 7
Telephone Connections and Alterations	2,532 8 0
Cutting off service pipes and erecting stand-pipes, making re-connections, &c.	1,366 15 2
Purchase of furniture	11 6 3
Pulling down and burning condemned houses	1,102 11 1
Gokuldas Tejpal Pauper Camp and deportation of pauper immigrants	18,656 7 8
Rebate of Taxes to the Bombay Improvement Trust in respect of land occupied for Plague Purposes	2,948 15 2
Total	4,45,667 14 9
Less—Miscellaneous receipts	1,746 15 5
Do. Fines and Penalties	305 0 1
Total	2,051 15 6
Net Expenditure... Rs.	4,43,615 15 3

W. E. WAITE,
Chief Accountant,

W. L. HARVEY,
Municipal Commissioner.

Appendix No.

WATER WORKS

INCOME FOR 1901-1902.

INCOME.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Water Tax and Miscellaneous Water Works Revenue (*vide* details in Appendix No. 13, page 64)		15,47,120 4 3	
Interest on the Worn-out Water Mains Renewal Fund Investment (*vide* page 66)	18,395 6 5		
Do. Net Premia Fund Investment (*vide* page 66)	4,537 6 0		
		22,932 12 5	
			15,70,053 0 8
Excess Expenditure over Income.. ..			**82,251 3 5**
Total Rs. ...			16,52,304 4 1

W. E. WAITE,

Chief Accountant.

11.

ACCOUNT.

EXPENDITURE FOR 1901-1902.

EXPENDITURE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
General Superintendence (proportion of) ...	(a)26,629 8 4			
Assessment and Collection Charges (proportion of) ...	(b)28,181 5 4			
Engineer's Establishment (proportion of) ...	(c)13,576 0 3			
		68,386 13 11		
Maintenance of Vehar, &c., Water Works ...		(d) 2,20,028 13 0		
			2,88,415 10 11	
New Works ...			(e)20,485 8 0	
			3,08,901 2 11	
Investments—				
Worn-out Mains Renewal Fund ...		25,000 0 0		
Interest realized on do. ...		18,395 6 5		
		(f)43,395 6 5		
Do. do. on the Net Premia Fund (Water Works Portion) ...		(g) 4,537 6 0	47,932 12 5	
Loss and depreciation on Water Works Stores ...			(h) 7,464 9 2	
			3,64,298 8 6	
Interest on Water Works Loans (Debt)—				
Due to Government—Vehar Debt ...		29,275 10 2		
Due to Public—				
Portion of 10 Lakhs for Bhandarwada Water Works of the Loan of Rs. 26,94,000 of 1878 ...	34,066 7 1			
Water Works portion of the 44 Lakhs Sanitary Works Loan (Rs. 18,98,921) ...	80,682 9 1			
Water Works portion of the 7 Lakhs Sanitary Works Loan (Rs. 1,90,389) ...	9,519 7 2			
Water Works portion of the 12 Lakhs Drainage and Water Works Loan (Rs. 85,000) ...	4,250 0 0			
Water Works portion of the Rs. 10,08,500 Miscellaneous Works Loan (Rs. 1,35,000) ...	6,750 0 0			
Water Works portion of the 35 Lakhs Various Sanitary Works Loan (Rs. 9,20,000) ...	46,000 0 0			
Water Works portion of the 42 Lakhs Loan for repayment of Government Consolidated Loan (Rs. 28,59,762) ...	1,14,390 7 8			
Water Works portion of the 23¾ Lakhs Loan for Drainage and other Works (Rs. 2,45,500) ...	9,820 0 0			
Water Works portion of the 15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Works (Rs. 30,000) ...	1,050 0 0			
Water Works portion of the Tansa Water Works Loan of Rs. 147 lakhs ...	7,08,725 0 0			
Water Works portion of the 25 Lakhs Loan for Sewerage, &c., Works (Rs. 2,31,297) ...	9,251 14 1			
Water Works portion of the 24¾ Lakhs Loan for certain Sewerage and Water Works (Rs. 2,73,000) ...	2,130 8 1			
		10,26,636 5 2	(i) 11,25,911 15 4	
Payments towards the reduction of debt or investment of Sinking Fund of the following Water Works Loans (Debt)—				
Vehar Debt ...		14,700 5 10		
Portion of 10 Lakhs for Bhandarwada Water Works of the Loan of Rs. 26,94,000 of 1878 ...		24,127 11 1		
Water Works Portion of the 44 Lakhs Sanitary Works Loan (Rs. 18,98,921) ...		13,184 8 10		
Do. do. 7 Lakhs Sanitary Works Loan (Rs. 1,90,389) ...		1,631 14 6		
Do. do. 12 Lakhs Drainage and Water Works Loan (Rs. 85,000) ...		779 2 8		
Do. do. Rs. 10,08,500 Miscellaneous Works Loan (Rs. 1,35,000) ...		1,151 3 5		
Do. do. 35 Lakhs Various Sanitary Works Loan (Rs. 9,20,000) ...		7,622 13 0		
Do. do. 42 Lakhs Loan for repayment of Government Consolidated Loan (Rs. 28,59,762) ...		51,407 10 0		
Do. do. 23¾ Lakhs Loan for Drainage and other Works (Rs. 2,45,500) ...		2,629 3 7		
Do. do. 15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Works (Rs. 30,000)		361 3 2		
Do. do. Tansa Water Works Loan of Rs. 147 Lakhs ...		42,000 0 0		
Do. do. 25 Lakhs Loan for Sewerage, &c., Works (Rs. 2,31,297) ...		2,498 0 2		
			(j) 1,62,093 12 3	
Total Rs. ...				16,52,304 4 1

(a), (b), (c) and (d) *vide* page 65.
(e) *Vide* page 69.
(f) and (g) *vide* page 83
(h) *Vide* page 73.
(i) Do. 75.
(j) Do. 79.

W. L. HARVEY,
Municipal Commissioner.

Appendix
WATER WORKS
SCHEDULE OF LIABILITIES AND

LIABILITIES.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Debt due to Government—			
Government of Bombay on account of Vehar Debt (see page 48)		24,73,559 14 7	
Debt due to Public—			
Portion of 10 lakhs for the Bhandarwada Water Works of the Loan of Rs. 26,94,000 of 1878 ...	6,57,201 3 0		
Water Works portion of the 44 lakhs Sanitary Works Loan	16,13,651 4 7		
Water Works portion of 7 lakhs Sanitary Works Loan	1,90,389 0 0		
Water Works portion of the 12 lakhs for Drainage and Water Works	85,000 0 0		
Water Works portion of the Miscellaneous Works Loan of Rs. 10,08,500	1,35,000 0 0		
Water Works portion of the 35 lakhs Various Sanitary Works Loan	9,20,000 0 0		
Tansa Water Works Loan of 147 lakhs	1,47,00,000 0 0		
Water Works portion of 42 lakhs loan raised in 1893-94 for repayment of the balance of Government Consolidated Loan	28,59,762 0 0		
Water Works portion of 23½ lakhs loan for Drainage and other Works	2,45,500 0 0		
Water Works portion of 17½ lakhs loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works	30,000 0 0		
Water Works portion of Rs. 25 lakhs loan for Sewerage, Roads and other Works	2,31,297 0 0		
Water Works portion of Rs. 24¾ lakhs loan for certain Sewerage and Water Works	2,73,000 0 0		
		2,19,40,800 7 7	
			2,44,14,360 6 2
Balance—Assets in excess of Liabilities ..			37,91,749 11 9
		TOTAL Rs....	2,82,06,110 1 11

W. E. WAITE,
Chief Accountant.

No. 12.
ACCOUNT.
ASSETS AT 31ST MARCH 1902.

ASSETS.	Rs. a. p.	Rs. a. p.	Rs. a. p.
I. Properties—			
Water Works executed out of Loan and Reserve Funds as detailed at pages 55 &56(*vide* Appendix No. 9 A)		2,77,15,140 13 6	
II. Investments—			
Bank of Bombay Worn-out Water Mains Renewal Fund (*vide* page 49)	4,13,002 10 10		
Bank of Bombay Net Premia on different Municipal Loans Deposit Account (*vide* page 49).	* 77,966 9 7		
		4,90,969 4 5	
			2,82,06,110 1 11
		TOTAL Rs....	2,82,06,110 1 11

	Rs. a. p.
* Balance on 1st April 1902	84,296 13 8
Add—Interest realized in 1901-02	4,537 6 0
	88,834 3 8
Deduct—Proportion of stamp, &c., charges and discount on the Water Works portion of the Loan of Rs. 11 lakhs raised in 1901-02	10,867 10 1
Balance Rs. ..	77,966 9 7

W. L. HARVEY,
Municipal Commissioner.

Appendix

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

RECEIPTS.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND.				
Cash Balance (In Bank and Office Treasuries) on 1st April 1901				4,07,687 15 2
GENERAL TAX—				
From the Public		23,53,065 11 5		
„ Government of Bombay	1,32,003 4 9			
„ Port Trust	2,14,502 0 0			
		3,46,505 4 9		
			26,99,571 0 2	
WHEEL TAX AND TOLLS—				
WHEEL TAX—				
Through Assessor and Collector (Private Conveyances)		1,76,092 11 5		
Through the Chief Accountant (Public Land Conveyances)		1,55,036 8 0		
		3,31,129 3 5		
TOLLS (through Traffic Manager, Port Trust)		9,617 12 0		
			3,40,746 15 5	
TOWN DUTIES (Gross Collections)		21,66,844 9 6		
Less—Refunds		13,04,721 7 0		
			8,62,123 2 6	
LICENSES—				
(*a*) Taxes on Trades and Professions		70,346 0 0		
(*b*) Land Conveyance, Music, &c., Licenses (issued by the Commissioner of Police)—				
(1) Land Conveyance Licenses, &c.	12,252 10 7			
(2) Music and Miscellaneous Licenses	10,134 12 0			
		22,387 6 7		
			92,733 6 7	
LIQUOR LICENSES—Receipts from Government			1,43,750 0 0	
TOBACCO DUTY LICENSES—Receipts from Government (through Commissioner of Customs)			2,33,064 9 7	
HALALKHOR TAX			7,88,438 11 3	
WATER TAX AND OTHER MISCELLANEOUS WATER WORKS REVENUE—				
Water Tax (through Assessor and Collector)	14,51,068 9 3			
Water supplied to Municipal Departments	24,843 3 10			
	14,75,911 13 1			
Rent of Water Meters	22,419 9 11			
Miscellaneous	43,933 7 3			
		15,42,264 14 3		
Sale of grass, right of drawing toddy, taking fruits, fishing in tanks, &c.		3,147 6 0		
Rent of land and buildings		1,708 0 0		
			15,47,120 4 3	
MARKET RECEIPTS—				
Stall Rents	1,52,330 7 7			
Squatters' Fees	31,880 12 0			
Fair Ground and Feeding Fees from Contractors	69,200 0 0			
Miscellaneous	25,094 12 4			
		2,78,505 15 11		
Slaughter Fees		1,36,328 0 0		
Rent of land & buildings		5,391 0 0		
Sale-proceeds of produce of land		28 9 6		
			4,20,253 9 5	
Carried over.. Rs.			71,27,801 11 2	4,07,687 15 2

No. 13.

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1902.

DISBURSEMENTS.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND.				
GENERAL SUPERINTENDENCE—				
Standing Committee and Corporation Establishment		55,077 2 5		
Municipal Commissioner's Personal Office Establishment		53,062 6 11		
General Office Establishment		45,419 11 0		
Accounts and Expenditure Audit Establishment		59,476 14 1		
			* 2,13,036 2 5	
ASSESSMENT AND COLLECTION DEPARTMENT—				
Property and Wheel Tax Establishment		† 1,50,300 7 2		
Town Duty Collection		84,796 14 6		
Licensing Establishment		28,704 2 6		
Revenue and Refund Audit Establishment		‡ 28,186 2 10		
		2,91,987 11 0		
TOLLS COLLECTION—				
I. Establishment under the Traffic Manager, Port Trust Bunders		2,016 0 0		
			2,94,003 11 0	
FIRE BRIGADE		94,707 9 1		
Add—Interest on the Fire Brigade Loan of 4½ lakhs—Transferred from Interest on Loans, page 75		18,920 0 0	(*a*) 1,13,627 9 1	
MAINTENANCE OF PUBLIC GARDENS—				
(*a*) VICTORIA GARDENS—				
Maintenance		51,219 6 6		
New Works—				
Filling in low vacant ground	110 9 1			
Construction of a cage for the Elephant in the Victoria Gardens	2,770 5 11			
Constructing water closet in the Victoria Gardens	12 12 4	2,893 11 4		
		54,113 1 10		
(*b*) ELPHINSTONE CIRCLE GARDEN		927 9 9		
(*c*) FALKLAND ROAD GARDEN		196 11 8		
(*d*) NORTHBROOK GARDEN		924 7 2		
(*e*) SIR COWASJEE JEHANGIR GARDEN		333 2 1		
(*f*) BAZAAR GATE GARDEN		471 1 1		
(*g*) DICK'S TANK GARDEN		150 8 10		
(*h*) MALABAR HILL GARDEN		567 15 6		
			57,684 9 11	
PUBLIC WORKS (ENGINEER'S) DEPARTMENT—				
I. GENERAL SUPERVISION and MISCELLANEOUS DUTIES		§ 52,418 1 5		
II. DRAINAGE—				
A. Miscellaneous Drainage	1,08,113 0 0			
B. Maintenance of Love Grove Pumping Station	1,15,681 5 1			
C. Maintenance of Sluices	3,102 8 3			
D. Maintenance of Pumping Station, Colaba (Shone System)	30,927 9 3			
E. Air Compressor Station at Love Grove (Shone System)	18,095 6 0			
		2,75,919 12 7		
III. WATER WORKS		2,20,028 13 0		
IV. STREETS AND BUILDINGS—				
A. Inspection and Supervision	79,650 13 5			
B. Public Lighting	2,63,606 3 1			
C. Road Watering	78,386 5 8			
Streets and Buildings—Continued and carried over Rs.	4,21,643 6 2			
Carried over Rs.		5,48,366 11 0	6,78,352 0 5	

* Of this, Rs. 26,629-8-4 are chargeable to Water Works Account.
† Of this, Rs. 28,181-5-4 do. do.
‡ Including Rs. 13,556 on account of Town Duty Refund Establishment.
(*a*) Or Rs. 1,21,727-9-1 including the Sinking Fund Instalment of Rs. 8,100 included in the Sinking Fund payment aggregating Rs. 5,25,333-11-9 shown at page 79.
§ Of this, Rs. 13,576-0-3 are chargeable to Water Works Account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and Brought forward ..... Rs.			71,27,801 11 2	4,07,687 15 2
PUBLIC GARDENS—				
VICTORIA GARDENS—				
Sale Proceeds of Plants, Flowers, &c....		8,590 13 9		
Rent of Chawls from Malees, &c.		370 0 0		
Fees from Elephant rides		994 8 0		
			9,955 5 9	
TRAMWAY RENT			50,053 14 10	
MISCELLANEOUS FINES AND PENALTIES.			10,395 8 10	
MISCELLANEOUS RECEIPTS—				
General Sales Account—				
Sale of Land	4,555 2 5			
Miscellaneous	344 9 3			
		4,899 11 8		
On Account of Health Department—				
Rent of Chawls, Reclamation Ground, Milch Cattle Stables and Dhobiwada	72,824 9 2			
Sale-proceeds of land and produce of land	1,161 0 0			
Sale of Bones, Manure, and Cowdung cakes, &c. Rs. 2,064 4 0				
Cleaning Drains ,, 998 15 4				
	3,063 3 4			
Miscellaneous	78 0 0			
		77,126 12 6		
On Account of Municipal Engineer's Dept.—				
Ground-rent of Telephone Lines, Rs. 3,299 2 3				
Ground-rent ,, 1,902 11 8				
	5,201 13 11			
Right of catching fish, cutting grass, collecting fruits, drawing toddy, &c.	1,229 10 10			
Miscellaneous	7,242 8 2			
		13,674 0 11		
Miscellaneous—				
Rent of Quarters belonging to the Corporation occupied by the Police Dept.	15,859 6 8			
Do. do. by the Fire Brigade	3,600 0 0			
		19,459 6 8		
Sundries		2,076 10 3		
			1,17,236 10 0	
MISCELLANEOUS FEES			43,765 4 7	
MISCELLANEOUS SAVINGS			8,636 7 1	
CONTRIBUTION from Municipal Servants towards Pension, &c., Fund			19,617 15 10	
INTEREST on Investments of Surplus Loan and other Balances			1,62,066 9 3	
PROFIT on Municipal Workshops			14,567 10 1	
SALE PROCEEDS of Unserviceable Tools, Plant, &c.			3,896 8 11	
ACTUAL Profit on sale of Stores to Contractors			23,252 3 3	
INTEREST on the 5, 4 and 3½ per cent. Municipal Loan Sinking Fund Investment		1,46,250 13 9		
INTEREST on Municipal Buildings Fire Insurance Fund Investment	2,406 15 4			
INTEREST on the Investment of the Net Premia Fund	* 6,465 0 3			
INTEREST on the School Building Fund Investment	1,965 7 11			
INTEREST on the Worn-out Water Mains Renewal Fund Investment	18,395 6 5			
		29,232 13 11		
			1,75,483 11 8	
				77,66,729 9 3
Carried over.. Rs.				81,74,417 8 5

* Includes Rs. 4,537-6-0 received on the Water Works portion of the Net Premia, &c., Fund Investment.

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1902—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.		5,48,366 11 0	6,78,352 0 5	
IV.—STREETS & BUILDINGS—*contd.* and brought forward ..... Rs.	4,21,643 6 2			
D. Roads, Footpaths, &c.	3,22,782 9 1			
E. Improvement of Streets	1,22,666 8 5			
F. Miscellaneous	2,173 6 7			
		8,69,265 14 3		
V.—Cleaning, Lighting, and Repairing Port Trust Wharves Roads		28,642 0 0		
			14,56,274 9 3	
NEW WORKS—				
DRAINAGE—				
Miscellaneous Drainage Works	6,926 2 3			
Cast-iron box with door and safety valve at the Worli Outfall	2,751 2 0			
Constructing (9) water gullies at Tardeo, Sleater, Warden and Pedder Roads	1,004 9 0			
Barbed-wire fence around the Municipal ground occupied by lascars at the Love Grove Pumping Station	274 8 11			
Closing up the west verandah of the Engineer's Quarters at Love Grove Pumping Station	641 0 8			
Constructing a permanent chowkey 10′×10′ for sluicemen near C. Ward Depôt Chowkey at the junction of Queen's Road and Lohar Street	276 14 11			
Constructing a covered storm-water drain in the line of the water course between Gilder Street and Gilder Lane and covering it with dry rubble stone and earthwork	6,521 2 1			
Providing seven square manholes on the main sewer between Shaik Memon Street and Cowasji Patel Tank	1,382 4 1			
Conversion of the water channel in the west side of Malabar Hill into an open drain	4 9 6			
Storm-water Channel in the open drain between Falkland and Foras Roads on the east side of the B. B. & C. I. Railway	350 12 0			
Constructing side entrances on Parel Road storm-water drain between Pydhoni and Bellasis Road.	1,578 14 10			
Making and fixing four pairs of gates at Worli Sluices	7,313 5 8			
	29,025 5 11			
Less—Receipts on account of Stores transferred from the work of constructing a storm-water drain near the junction of French and Queen's Road to other works	12 15 11			
		29,012 6 0		
WATER WORKS—				
Quarters for Watchmen and Sluicemen at Bhandarwada Reservoir	3,661 10 3			
Quarters for Watchmen and Sluicemen at Malabar Hill Reservoir	1,648 10 4			
Enlarging Sluice-house near Coorla Railway Station	186 0 0			
Laying 3″ Water Service main in Fofalwadi	430 6 11			
Water Works—*continued* and carried over ... Rs.	5,876 11 6			
New Works—*continued* and carried over ... Rs.		29,012 6 0		
Carried over ... Rs			21,34,626 9 8	

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs.				81,74,417 8 5
Carried over..Rs.				81,74,417 8 5

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1902—*continued.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ....Rs.			21,34,626 9 8	
NEW WORKS—*contd.* and brought forward ....Rs.		29,012 6 0		
WATER WORKS—*contd.* and brought forward....Rs.	5,876 11 6			
12″ connection between 24″ and 18″ water mains at Church Gate Street and providing a 9″ Deacon's meter	619 5 8			
Connecting dead ends of Water Service Mains at Carnac, Borah Bazaar, Bellasis and Mahim Bazaar Roads and Cowasji Patel, Parsi Bazaar, Modi and Nagdevi Streets	3,250 10 0			
Transferring water connections from water mains to Water Service Mains	254 1 7			
Constructing a fountain at Duncan Road, Two Tanks	1,280 3 3			
Venturi Meter at Malabar Hill Reservoir	3,997 12 0			
Boundary stones around Municipal Tank in Bombay	488 3 0			
Raising 5″ water service main in Love Lane and substituting 6″ in place of 3″	596 4 4			
Providing overflow weir, Tansa Duct at Bhandup	368 15 0			
Providing tile roofing to the Inspector's quarters at Kapoorbouri	850 1 7			
Substituting an iron pipe for the Masonry Duct for Tansa water near Bhandup	1,799 10 6			
Supplying and fixing sleepers under 48″ Tansa Main at Culverts	181 3 10			
Laying of 18″ bye-pass connection between 24″ inlet pipe to Malabar Hill Reservoir, &c.	927 6 8			
	20,490 8 11			
Less—Receipts on account of Stores transferred from the work of constructing water closet and drainage arrangement to the residence of the Superintendent, Maintenance Branch to other works	5 0 11	* 20,485 8 0		
STREETS AND BUILDINGS—				
Renewing the fence along the Bellasis Road Bridge.	4,835 12 11			
Purchase of five brushing machines	3,800 0 0			
Measures to be adopted in the case of fallen houses and for the extrication of living persons or bodies overwhelmed in the debris	327 0 0	8,962 12 11		
SANITARY AND OTHER MISCELLANEOUS WORKS—				
Latrines and Urinals	10,542 6 2			
New Latrines at Walkeshwar	511 10 0			
Construction of Permanent Manholes over Drains	1,129 14 7			
Purchase of property at Kamatipura 7th and 8th Streets for building a chawl, for men in the Health Department	8,276 9 3			
Renewing the corrugated iron sheet roofing of the Arthur Crawford Markets	5,163 8 0			
Paving cab-stands	4,801 1 0			
Additional Chawl accommodation at Deonar	1,369 12 8			
Sanitary and other Miscellaneous Works—*contd.* and carried over ....Rs.	31,794 13 8			
New Works—*continued* and carried over...Rs.		58,460 10 11		
Carried over...Rs.			21,34,626 9 8	

* Chargeable to Water Works account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.				81,74,417 8 5
Carried over Rs.				81,74,417 8 5

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1902—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p
MUNICIPAL FUND—*continued* and brought forward.....Rs.			21,34,626 9 8	
NEW WORKS—*continued* and brought forward ...Rs.		58,460 10 11		
SANITARY & OTHER MISCELLANEOUS WORKS—*continued* and brought forward ..... Rs.	31,794 13 8			
Connecting Walpakadi latrines with the new sewer recently laid thereat and of constructing a two hopper night-soil depôt by the side of the latrines.	2,965 13 3			
Constructing masonry walls around the portion of the Municipal ground at Haines Road and filling in the same with earth	1,850 1 0			
Constructing a small length of branch road, about 20' in width leading from the approach road to the night-soil depôt on the Flats.....	706 1 4			
Construction of a night-soil depôt at Arthur Road...	6,139 3 8			
Palisade at the Bhungy Mohla night-soil depôt	384 9 0			
Painting the wood and iron work of the permanent wards of the Arthur Road Hospital	960 3 3			
Constructing (2) pail depôts at 1st Umarkhadi Road	1,572 0 9			
Purchase of two plots of land at Colaba	1,711 7 2			
	48,084 5 1			
Five-seated latrine for the permanent-way gangmen of the Coorla-Deonar Railway, Chimbur	196 3 6			
Additions and alterations to the Inspector's quarters, office and store-room for the Health Department at Chimbur	11 10 3			
Latrine accommodation at Tardeo Flats	1 15 6			
Erecting two fence walls for the open ground on either side of the footpath in Gilder Street	712 5 5			
Construction of a temporary stable at Kamatipura...	3,443 3 9			
Filling in Haines Road Cemetery	484 15 9			
Do. Tank Bunder do.	1,607 10 9			
Extending the water service pipe to the north side of the bungalow at Love Grove	74 3 5			
Fixing screens in the inlet well of the Malabar Hill Reservoir	786 11 8			
Laying water-pipe and erecting stand-pipe at Tank Street.....	94 2 6			
Removing the flushing tank and replacing it with an automatic flushing one at the water closet attached to the Beggarie's chawl at Chinchpokli ...	248 1 5			
Providing a door to the Health Department bullock stable at Chinchpokli	105 0 11			
Constructing two catch-pits and two inspection chambers on the pipe drain attached to the milch cattle stable at Bapty Road and Kamatipura	416 15 11			
Making (26) C. I. benches for the Khote footpath ...	434 3 8			
		56,701 13 6		
			1,15,162 8 5	
Carried over ...Rs.			22,49,789 2 1	

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs.				81,74,417 8 5
Carried over...Rs.				81,74,417 8 5

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1902—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.			22,49,789 2 1	
PUBLIC HEALTH DEPARTMENT—				
I. General Supervision		1,07,262 5 0		
II. Conservancy Branch		15,58,541 5 7		
III. Markets and Slaughter-Houses Establishment		1,42,834 1 1		
IV. Registration of Births and Deaths		26,593 12 9		
V. Cemeteries		13,648 15 1		
VI. Laboratory		884 11 9		
VII. Mahaluxmi Dhobiwada		16,648 1 1		
VIII. Infectious Diseases		79,063 6 2		
IX. Milch Cattle Stables and Rooms		7,792 11 9		
X. Tank Conservancy		5,050 4 2		
XI. Rustomji Jamshedji Dharamshala, Falkland Road		157 14 2		
XII. Vaccination (Contribution to Government)		16,375 7 0		
XIII. Dispensaries		12,700 0 9		
		19,87,053 0 4		
XIV. Census		20,011 5 2		
			20,07,064 5 6	
POLICE CHARGES—				
Contribution towards the cost of the Police		5,00,000 0 0		
Removal of the existing privy and the construction of two chamber latrines at the Bazar Gate Police Station on the water-carriage system		21 14 0		
			5,00,021 14 0	
EDUCATION—				
Victoria and Albert Museum		10,362 1 11		
Other Institutions		1,02,151 0 0		
			1,12,513 1 11	
HOSPITALS, &c.			57,000 0 0	
CONTRIBUTION to the City Improvement Trust			4,81,000 0 0	
PENSIONS, &c.			56,489 15 4	
MISCELLANEOUS—				
Discretional Contingencies		2,884 1 7		
Auditor's Allowance		10,000 0 0		
Election Expenses		1,189 8 1		
Grain Compensation to Peons, &c.		5,877 13 9		
Expenses in connection with the vacation of the portion of ground occupied by the Municipal Workshops		9,948 8 2		
Cost of telegram of condolence sent to His Majesty the King-Emperor on the lamented death of Her Majesty the Queen-Empress		275 0 0		
Purchase of Survey sheets		1,055 0 0		
Loss and depreciation on Water Works Stores		*7,464 9 2		
			38,694 8 9	
Carried over...Rs.			55,02,522 15 7	

* Chargeable to Water Works Account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .. ..Rs.				81,74,417 8 5
Carried over...Rs.				81,74,417 8 5

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1902—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ....Rs.			55,02,522 15 7	
INTEREST ON LOANS		20,62,070 10 0		
Less—Shown under Fire Brigade (page 65)		18,920 0 0		
			*20,43,150 10 0	
CHARGES ON ACCOUNT OF LOANS			8,490 13 1	
				75,54,164 6 8
PAID OUT OF THE NET PREMIA FUND—				
Advertisement, stamp, &c, charges in connection with the raising of the 1st and 2nd instalments of the 4 per cent. 24¾ Lakhs Loan for certain sewerage and water works			19,195 10 6	
Discount on the 2nd instalment of Rs. 11 Lakhs of the 4 per cent. 24¾ Lakhs Loan for sewerage and water works raised in this year			33,593 2 0	
				43,788 12 6
LOAN WORKS—				
DRAINAGE—				
Executed out of Rs. 26,94,000 Drainage Loan of 1878—				
Pipe Sewers		12,456 7 4		
Executed out of 23¼ Lakhs Loan—				
Sewerage of Umerkhadi District		12,772 13 0		
Executed out of the Loan of Rs. 25 Lakhs for Sewerage, Water and other Sanitary Works—				
Machinery for the sewerage of the Parel, the Mazagon, &c., Sectional Districts	42,582 1 0			
Mazagon District, Sectional	33,046 4 4			
		75,628 5 4		
Executed out of the 19¼ Lakhs Loan—				
Low-Level Channel from the Tardeo Flats to Worli Point	9,632 11 9			
Storm-water Drain in Tardeo Road	40,475 10 2			
		50,108 5 11		
Executed out of 24¾ Lakhs Loan—				
Fergusson Road and Chinchpokli Sewerage District, Sectional	1,09,362 14 5			
Parel Sewerage District, Sectional	2,22,782 11 6			
Completion of house drainage connections in different parts of the City	1,36,285 8 8			
		4,68,430 13 7		
Executed out of savings on different Loans—				
Altering and ovoiding storm-water drain in Girgaum	16 12 0			
Tidal flaps on the ovoid sewers	5,210 10 9			
Improving side drains, Malabar Hill	2,244 5 2			
Storm-water drains at Fergusson Road from De Lisle Road to the water-course (3,200 feet) west of the road	29,964 4 9			
Providing and constructing masonry side drains in Malabar Hill	4,201 13 9			
Providing and constructing masonry side drains (a) on Naigam Cross Road on both sides from Vincent Road to Dadar and (b) east and west of Gorupdeo Road	2,768 7 4			
Constructing quarters for workmen at Love Grove Air Compressor Station (including purchase of land and an old chawl)	13 0 0			
Executed out of savings—*contd.* and carried over Rs	44,419 5 9			
Loan Works—*contd.* and carried over ...Rs.		6,19,396 13 2		
Carried over...Rs.				75,97,953 3 2

* Includes Rs. 11,25,911-15-4 chargeable to Water Works Account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs.				81,74,417 8 5
Carried over...Rs.				81,74,417 8 5

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1902—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.				75,97,953 3 2
LOAN WORKS—*contd.* and brought forward... Rs.		6,19,396 13 2		
Executed out of savings on different Loans—*contd.* and brought forward ..... Rs.	44,419 5 9			
Constructing additional quarters for Lascars at Love Grove	148 12 4			
		44,568 2 1		
Advanced from Surplus Balances—				
(17) Catch-pits on pipe sewers	15,757 6 3			
(7) do. ovoid do.	100 4 0			
		15,857 10 3		
		6,79,822 9 6		
Less—Credits—				
Loan of 25 Lakhs for Sewerage, Water and other Sanitary Works—Mazagon District, Sectional		45,250 0 0	6,34,572 9 6	
WATER WORKS—				
Executed out of the 15¾ Lakhs for Sewerage, Wari Bunder, etc., Roads, Burial-ground and certain Water Works Loan—				
Improvement of the Outlet Towers at Vehar and Tulsi		87 12 0		
Executed out of savings on different Loans—				
New mains in various places	1,584 9 9			
Laying water mains in Wellington Lines...	4,397 9 5			
		5,982 3 2	6,069 15 2	
ROADS—				
Executed out of the 35 Lakhs various Sanitary Works Loan—				
Roads and Streets, etc., in Agripada and elsewhere		20,753 4 10		
Executed out of 15¾ Lakhs Loan—				
Wari Bunder Road		289 8 4		
Executed out of savings on different Loans—				
Diversion of Arthur Road over the masonry culvert		16,266 11 1		
Advance from Surplus Balances—				
Acquisition of the property of Mr. Karimbhoy Joomabhoy at Fergusson Road near the B. B. & C. I. Railway, DeLisle Road Level Crossing ...		605 2 6		
		37,914 10 9		
Less—Credits—				
15¾ Lakhs Loan—				
Wari Bunder Road	1,291 10 8			
Advances from Surplus Balances—				
Diversion of Arthur Road over the masonry culvert ..... Rs. 16,266-11-1				
Acquisition of the property of Mr. Karimbhoy Joomabhoy at Fergusson Road near the B. B. & C. I. Railway, De'Lisle Road Level Crossing ..... „ 1,859-0-0				
	18,125 11 1	19,417 5 9	18,497 5 0	
Loan Works—*contd.* and carried over... Rs.			6,59,139 13 8	
Carried over... Rs.				75,97,953 3 2

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.				81,74,417 8 5
PLAGUE CHARGES—				
Plague Charges payable out of Loan Funds—				
Written off by debit to Plague Expenditure Suspense Adjustment Account.....				4,43,615 15 3
DEBT—				
Loan of Rs. 24½ lakhs for Sewerage and Water Works (1st and 2nd Instalments)				* 17,00,000 0 0
Carried over... Rs.				1,03,18,033 7 8

* Includes Rs. 2,73,000 on account of certain Water Works.

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1902—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.				75,97,953 3 2
LOAN WORKS—*continued* & brought forward .....Rs.			6,59,139 13 8	
MISCELLANEOUS WORKS—				
Executed out of 35 Lakhs various Sanitary Works Loan—				
Health Department Bullock Stables and Quarters for Scavengers.....		11 6 0		
Executed out of the 25 Lakhs Loan for Sewerage, Water and other Sanitary Works—				
Extension of the Burial-ground at Sewri Cemetery	4,435 14 4			
Disposal of Town Sweepings at Chimbur	22,095 11 8			
Purchase of land in Narielwadi for future extension of burial-ground thereat	7,468 12 1	34,000 6 1		
Executed out of the Loan of Rs. 19¼ Lakhs—				
Purchase of two sites of land required for burning and burial grounds at Mahim (including cost of enclosure walls)		222 7 11		
Executed out of Savings on different Loans—				
Latrines at Colaba	1,368 0 0			
20 Additional wagons for the disposal of Town Sweepings.....	54 12 0			
Constructing new quarters for an Engineer and 10 Laskars at Sankli Tank Fire Brigade Station ...	7,193 13 8	8,616 9 8		
Advance from Surplus Balances—				
Health Department quarters for Halalcores (acquisition of land at Colaba for)		4,268 4 10		
			47,119 2 6	
			7,06,259 0 2	
PLAGUE CHARGES			4,43,615 15 3	11,49,874 15 5
				87,47,828 2 7
PLAGUE EXPENDITURE SUSPENSE ADJUSTMENT ACCOUNT.....				4,43,615 15 3
DEBT—				
REPAYMENT—				
Vehar *Debt*		14,700 5 10		
Drainage Loan of 1878		73,000 0 0		
			87,700 5 10	
INVESTMENT OF SINKING FUND AND OF INTEREST ACCRUED THEREON—				
Sinking Fund Instalments		3,79,082 14 0		
Interest realizations		1,46,250 13 9		
			5,25,333 11 9	
				* 6,13,034 1 7
Carried over...Rs.				98,04,478 3 5

* Of this, Rs. 1,62,095-12-3 are chargeable to Water Works Account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ....Rs.				1,6[illegible],18,033 7 8
ADVANCES—				
(*a.*)—CASH ADVANCES TO MUNICIPAL AND PLAGUE OFFICERS—				
Municipal Officers		94,436 13 6		
Plague Officers		1,317 15 9		
			95,754 13 3	
(*b.*)—INTER-DEPARTMENTAL CHARGES—				
Workshops (Private & Departmental Works) ...		1,26,567 10 6		
Private Works (Engineer's Department)		26,668 1 4		
Departmental Works (do.).....		1,59,373 6 9		
			3,12,609 2 7	
(*c.*)—ADVANCES TO CONTRACTORS			1,18,779 4 1	
(*d.*)—MISCELLANEOUS			1,118 12 0	
(*e.*)—RESERVE STOCK—				
Engineer, Drainage		1,26,513 5 7		
Do., Executive		25,815 15 9		
Do., Water Works		1,06,783 11 6		
General Stock		96,949 10 0		
Parel Stores, Plague		29,580 0 6		
			3,85,642 11 4	
			9,13,904 11 3	
City of Bombay Improvement Trust Tender Suspense Account			5,85,981 14 0	
				14,99,886 9 3
DEPOSITS—				
(*a.*)—BANK OF BOMBAY ON ACCOUNT OF CONTRACTORS, &C., PAPER DEPOSIT			29,100 0 0	
(*b.*)—SURPLUS FUND INVESTMENTS—				
Paper Deposit		3,10,935 0 0		
Cash Deposit		10,000 9 0		
Current Account Deposit		8,83,106 9 5		
Fixed Deposit		20,44,533 13 8		
			32,48,576 0 1	
(*c.*)—LOAN FUNDS—				
Paper Deposit		11,71,000 0 0		
Cash Deposit		16,73,006 1 11		
Current Account Deposit		6,22,293 9 11		
Fixed Deposit		15,50,000 0 0		
			50,16,299 11 10	
Deposits—*continued* and carried over...Rs.			83,53,975 11 11	
Carried over...Rs.				1,18,17,920 0 11

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1902—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ....Rs.				98,04,478 3 5
ADVANCES—				
(*a.*)—CASH ADVANCES TO MUNICIPAL AND PLAGUE OFFICERS—				
Municipal Officers		77,514 12 9		
Plague Officers		875 0 0		
			78,389 12 9	
(*b.*)—INTER-DEPARTMENTAL CHARGES—				
Workshops (Private & Departmental Works)...		1,19,818 3 5		
Private Works (Engineer's Department)		65,854 6 4		
Departmental Works (do.)		1,54,427 0 5		
			3,40,099 10 2	
(*c.*)—ADVANCES TO CONTRACTORS			1,40,696 4 8	
(*d.*)—MISCELLANEOUS			16,059 13 4	
(*e.*)—RESERVE STOCK—				
Engineer, Drainage		1,23,646 8 3		
Do., Executive		15,233 2 10		
Do., Water Works		1,07,157 2 1		
General Stock		98,635 13 1		
Parel Stores, Plague		31,109 15 9		
			3,75,782 10 0	
			9,51,028 2 11	
City of Bombay Improvement Trust Tender Suspense Account			5,85,981 14 0	
				15,37,010 0 11
DEPOSITS—				
(*a.*)—BANK OF BOMBAY ON ACCOUNT OF CONTRACTORS, &C., PAPER DEPOSIT			1,07,400 0 0	
(b.)—SURPLUS FUNDS INVESTMENTS—				
Paper Deposit		4,74,775 0 0		
Cash Deposit		9,750 9 0		
Current Account Deposit		7,28,000 12 6		
Fixed Deposit		16,25,000 0 0		
			28,37,526 5 6	
(*c.*)—LOAN FUNDS—				
Paper Deposit		1,52,817 8 0		
Cash Deposit		16,66,673 15 11		
Current Account Deposit		5,77,399 6 10		
Fixed Deposit		31,69,533 13 8		
			55,66,424 12 5	
Deposits—*continued* and carried over...Rs.			85,11,351 1 11	
Carried over...Rs.				1,18,41,488 4 4

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.				1,18,17,920 0 11
DEPOSITS—*contd.* and brought forward ..... Rs.			83,53,975 11 11	
(*d*)—RESERVE FUNDS—				
1—Municipal Buildings Fire Insurance Fund—				
Paper Deposit	11,555 10 0			
Cash Deposit	2,437 7 9	13,993 1 9		
2—Worn-out Water Mains Renewal Fund—				
Paper Deposit	29,299 6 0			
Cash Deposit	18,164 0 7	47,463 6 7		
3—Net Premia, &c., Fund—				
Paper Deposit	43,317 8 0			
Cash Deposit	6,333 12 10	49,651 4 10		
4—School Building Fund—				
Cash Deposit		1,944 6 1	1,13,052 3 3	
			84,67,027 15 2	
Deposits from Contractors, &c.—				
In Cash	4,28,065 1 9			
In Government Paper kept in Office	40,900 0 0			
Do. do. lodged at the Bank of Bombay	1,07,400 0 0			
On account of work performed for private parties	6,500 0 0	5,82,865 1 9		
Government of Bombay on Account of Income Tax		31,080 15 2	6,13,946 0 11	
			90,80,974 0 1	
CHEQUES PAYABLE			1,34,95,778 6 1	2,25,76,752 6 2
			Total Rs. ...	3,43,94,672 7 1

W. E. WAITE,
Chief Accountant.

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1902—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.				1,13,41,488 4 4
DEPOSITS—*contd.* and brought forward ..... Rs.			85,11,351 1 11	
(*d*)—RESERVE FUNDS—				
1.—Municipal Buildings Fire Insurance Fund—				
Paper Deposit	13,840 0 0			
Cash Deposit	2,560 1 1			
		(*a*) 21,400 1 1		
2.—Worn-out Water Mains Renewal Fund—				
Paper Deposit	71,566 14 0			
Cash Deposit	19,291 15 0			
		(*b*) 90,858 13 0		
3.—Net Premia, &c., Fund—				
Paper Deposit	5,827 8 0			
Cash Deposit	6,526 7 7			
		(*c*) 12,353 15 7		
4.—School Building Fund—				
Paper Deposit	1,934 6 0			
Cash Deposit	1,975 8 0			
		(*d*) 3,909 14 0		
			1,28,522 11 8	
			86,39,873 13 7	
Deposits from Contractors, &c.—				
In Cash	4,99,713 0 4			
In Government, &c., Paper kept in Office	49,600 0 0			
Do. do. lodged at the Bank of Bombay	89,100 0 0			
On account of work performed for private parties	505 12 3			
		6,38,918 12 7		
Government of Bombay on account of Income Tax		31,160 15 3		
			6,70,079 11 10	
			93,09,953 9 5	
CHEQUES PAYABLE			1,35,21,664 13 2	
				2,28,31,618 6 7
				3,41,73,106 10 11
Cash Balance (in Bank and Office Treasuries) on 31st March 1902 ...				2,21,565 12 2
			Total ... Rs.	3,43,94,672 7 1

	Rs. a. p.	Rs. a. p.
(*a*)—Total Debits	21,400 1 1	
Less—Withdrawals as per contra to meet the cost of Securities purchased	13,993 1 9	
Net payment during the year ...		7,406 15 4
(*b*)—Total Debits	90,858 13 0	
Less—Withdrawals as per contra to meet the cost of Securities purchased	47,463 6 7	
Net payment during the year ...		43,395 6 5
(*c*)—Total Debits	12,353 15 7	
Less—Withdrawals as per contra to meet the cost of securities purchased (Rs. 49,651-4-10—Rs. 43,788-12-6 as per pages 75 and 82)	5,862 8 4	
Net payment during the year ...		*6,491 7 3
(*d*)—Total Debits	3,909 14 0	
Less—Withdrawals as per contra to meet the cost of Securities purchased	1,944 6 1	
Net payment during the year ...		1,965 7 11
	Total Rs.	59,259 4 11

* Includes Rs. 4,537-6-0, chargeable to Water Works account.

W. L. HARVEY,
Municipal Commissioner.

REVENUE.

Report on the working of the Assessment and Collection Department for the year 1901-1902, by Mr. R. P. Brunton, Assessor and Collector, as forwarded with his letter No. 17085, dated 25th July 1902.

1. The total collected under all heads, exclusive of Miscellaneous Receipts (fees, &c.) was Rs. 51,67,545, against the estimate of Rs. 54,37,000, a difference of Rs. 2,69,455, detailed as under :—

Taxes.	Estimate.	Actual collections, including adjustments.	Increase.	Decrease.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
General	26,20,000 0 0	27,05,720 0 0	85,720 0 0	.....
*Water	*18,72,000 0 0	*14,90,325 0 0	.....	3,81 675 0 0
Halalkhor	7,78,000 0 0	7,95,329 0 0	17,329 0 0	.....
Wheel	1,67,000 0 0	1,76,171 0 0	9,171 0 0	.....
Total ...	54,37,000 0 0	51,67,545 0 0	1,12,220 0 0	3,81,675 0 0
			Net decrease ...	2,69,455 0 0

* Exclusive of Meter Hire and Receipts by the Deputy Executive Engineer, Water Works.

2. As to the apparent decrease in the amount collected for Water-tax, the cause is that the amount budgetted for Municipal properties, *viz.*, Rs. 4,38,000, was, on the Municipal Solicitor's opinion, not charged or debited to the various Municipal Departments. There was an actual increase of Rs. 29,921 from other properties.

3. *Halalkhor Tax.*—The increase in this Tax would have been larger, had the long-continued cases, now in the Small Causes Court, against various owners of properties, who dispute the charges for special Halalkhor Tax, been settled.

4. As compared with the total collections for 1900-1901, *viz.*, Rs. 56,00,542, the collections for 1901-02, *viz.*, Rs. 51,67,545, are less by Rs. 4,32,997, the decreases being due to the general tax being levied at 10½ per cent. in 1901-02, and 12½ per cent in 1900-01, and to the non-adjustment of the estimated amount for water supplied to Municipal properties (see para. 2).

5. On the 31st March 1902, the outstandings for Property Taxes, charges for Water by Meter, and Wheel Tax (private) were Rs. 2,46,543 against Rs. 3,68,242 on 31st March 1901, of which Rs. 1,44,296 have been collected or adjusted up to 15th July 1902, leaving at that date Rs. 1,02,247 for recovery for all previous years. In this sum of Rs. 1,02,247, Rs. 80,325 are in dispute on account of valuations, Special Halalkhor Service, Water-supply by Meter, &c., Rs. 2,469 are to be adjusted departmentally, and Rs. 279 are irrecoverable.

6. Properties in the Assessment Book were on 31st March 1902 :—

	Rs.
Buildings	34,960
Salt pans	99
Lands, including Tanks and Wells	19,177
	54,176

of which 41,131 were assessed for the General Tax; 4,947 were exempted under Section 143, and 8,098 were not charged the tax, being small plots of waste lands, houses marked "Unfit for Human Habitation," the assessment of which were temporarily reduced.

The number of new buildings erected and of buildings demolished or enlarged in 1901-02 were 487, 562, and 277, respectively.

7. The assessments of properties contrasted with those of 1900-01 were :—

Assessment of Properties.

Years.	Opening assessment (gross).	Amount after disposal of complaints.		Amount of subsequent reductions during the year by demolitions and on complaints.	Gross amount after deductions of subsequent reductions.	Subsequent enhancement (New buildings, enlargements and under-assessments) gross.	Total gross assessments.	Increase. Final difference over preceding year's gross assessment.	Rateable assessment.	Classification of rateable assessments.			
		No. of complaints against opening assessments.	Gross assessment.							Chargeable with General Tax.	Exempt from General Tax. Section 148 (1) (a) (b)	For which no General Tax bills issued.	Total rateable assessments.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1900-1901	3,08,56,170	2,339	3,08,07,468	3,31,623	3,04,75,845	8,99,261	3,13,75,106	8,58,015	2,82,48,729	2,56,68,486	25,65,547	14,696	2,82,48,729
1901-1902	3,16,88,676	2,481	3,17,20,582	5,00,966	3,12,19,616	5,92,009	3,18,11,625	4,36,519	2,86,41,750	2,61,13,160	25,10,637	17,953	2,86,41,750

The increase of Rs. 4,36,519 (column 9) is due to rise in rents, Rs. 64,351 ; erection of new buildings, Rs. 1,47,517 ; and enlargements, Rs. 2,24,651.

There were 2,481 complaints against the assessments made from 1st April, and 439 against the assessments made during the currency of the year. Total 2,920 complaints.

8. The following Tables give the increases and decreases in property taxes levied, as compared with those of 1900-1901 :—

General Tax.

1900-1901.				1901-1902.				
12½ per cent.	Compounded sum payable by Government under section 144 (3).	Compounded sum payable by the Port Trustees under section 145(3).	Total of columns 1, 2 and 3.	10½ per cent.	Compounded sum payable by Government under section 144 (3).	Compounded sum payable by the Port Trustees under section 145 (3).	Total of columns 5, 6 and 7.	Decrease—Difference between columns 4 and 8.
1	2	3	4	5	6	7	8	9
Rs. a. p. 28,26,216 0 4	Rs. a. p. 1,58,112 0 0	Rs. a. p. 2,24,287 0 0	Rs. a. p. 32,08,565 0 4	Rs. a. p. 24,10,210 7 0	Rs. a. p. 1,32,814 12 0	Rs. a. p. 1,98,826 0 0	Rs. a. p. 27,41,851 3 0	Rs. a. p. 4,66,713 13 4

The amount of General Tax on properties exempted from its payment under section 143 (1) (*a*) (*b*) is Rs. 2,65,496, as against Rs. 3,20,693 in 1900-1901.

Water Tax.

1900-1901.				1901-1902.				Difference.			
On rateable value.	Compounded.	On Meter measurement.	Total.	On rateable value.	Compounded.	On Meter measurement.	Total.	Increase on rateable value.	Decrease Compounded.	Decrease on Meter measurement.	Total. (Decrease).
1	2	3	4	5	6	7	8	9	10	11	12
Rs. a. p. 6,30,693 3 8	Rs. a. p. 36,875 6 2	Rs. a. p. 10,92,444 6 11	Rs. a. p. 17,50,013 0 9	Rs. a. p. 6,37,998 1 11	Rs. a. p. 33,096 0 11	Rs. a. p. 7,98,552 10 10	Rs. a. p. 14,69,646 13 8	Rs. a. p. 7,304 14 3	Rs. a. p. 3,779 5 3	Rs. a. p. 2,83,891 12 1	Rs. a. p. 2,80,366 3 1

The decrease in column 10 is due to the discontinuance, under solicitor's opinion, of the demand for water used for building purposes—now made by the Water Department, for column 11 see para 2.

10. *Halalkhor Tax.*

1900-1901			1901-1902.			Increase.		
On rateable value.	Special service.	Total.	On rateable value.	Special service.	Total.	On rateable value.	Special service.	Total.
1	2	3	4	5	6	7	8	9
Rs. a. p. 5,83,981 13 4	Rs. a. p. 1,86,569 3 9	Rs. a. p. 7,70,551 1 1	Rs. a. p. 5,87,227 14 1	Rs. a. p. 1,99,227 9 10	Rs. a. p. 7,86,455 7 11	Rs. a. p. 3,246 0 9	Rs. a. p. 12,658 6 1	Rs. a. p. 15,904 6 10

11. The total demand on account of Property Taxes amounted to Rs. 49,97,953-8-7, (including Government and Port Trust) to which is to be added Rs. 65,504-0-8 demand on account of previous years, making a total of Rs. 50,63,457-9-3. From which sum Rs. 99,830-7-4 were allowed as $\frac{1}{5}$th drawback on the General Tax, under section 158 (2) of the Act, the number of claims being (16,537). I am addressing the Commissioner separately in the matter of $\frac{1}{5}$th drawback.

12. For these taxes, 807 bills for Rs. 65,504-0-8 for previous years, and for 1901-1902, 75,964 bills for Rs. 45,66,482-5-3 (excluding Government and Port Trust for which no bills are issued, the amounts being paid direct into the Chief Accountant's office), a total of 76,771 bills for Rs. 46,31,986-5-11.

13. The outstanding balance for Property Taxes for all years on 31st March 1901 was Rs. 3,52,296-3-2 : during 1901-1902 bills for these taxes amounting to Rs. 46,31,986-5-11 were issued. Government and the Port Trust paid Rs. 3,31,640-12-0 (Rs. 1,32,814-12-0 and Rs. 1,98,826) making a total of Rs. 53,15,923-5-1.

Of this amount Rs. 49,91,374-7-3 were collected, *viz.*, Rs. 2,93,232-0-9 for former years, and Rs. 46,98,142-6-6 for 1901-1902, leaving uncollected Rs. 3,24,548-13-10, from which the following sums are to be deducted :—Rs. 526-11-8 written off by the Standing Committee's Resolutions Nos. $\frac{2444}{5-6-1901}$, $\frac{9051}{23-10-4901}$, $\frac{9207}{6-11-1901}$, $\frac{11387}{5-2-1902}$, and $\frac{11557}{12-2-1902}$ and Rs. 86,383-1-6 on bills cancelled, amended bills being issued. Total Rs. 86,909-13-2.

14. The outstandings on 31st March 1902 were Rs. 37,658-5-11 on account of former years, and Rs. 1,99,980-10-9 for 1901-1902. Total Rs. 2,37,639-0-8.

15. *Tax on Vehicles and Animals.*—The demand on account of the tax on private vehicles and animals for the four quarters ended 31st December 1901 was Rs. 1,71,117-14-0, against Rs. 1,65,980-3-0 for 1900 ; to the first sum are to be added Rs. 15,946-4-6 outstanding on the 31st March 1901, and Rs. 713-5-0 charges for former years, a total of Rs. 1,87,801-7-6, for recovery 16,258 bills were issued and the amount collected was Rs. 1,76,170-14-5, leaving Rs. 11,630-9-1 uncollected, of which Rs. 363-8-2 were written off under the Standing Committee's Resolutions quoted in para. 13 ; Rs. 2,362-8-0 were on bills recalled, amended bills being issued, making a total of Rs. 2,726-0-2, which, deducted from Rs. 11,630-9-1, leaves Rs. 8,904-8-11 outstanding at the end of the year.

16. During the year there were taxed 3,364 four-wheeled vehicles (including 1 motor car) ; 734 two-wheeled vehicles ; 435 vehicles not drawn by horses ; 1,575 bicycles ; 5,269 horses (including those in commission stables) ; 238 ponies ; 662 bullocks and 2 donkeys.

17. The following Table shows the total demands, collections, and balances on account of Property Taxes and taxes on private vehicles and animals :—

Year.	Amount to be collected.			Bills written off under Standing Committee's Resolutions and Bills recalled for amendment.	Collections.	Outstanding Balances on 31st March 1902.
	Opening Outstanding Balances.	Demands assessed for the year and for former years.	Total.			
1	2	3	4	5	6	7
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1901-02	3,68,242 7 8	51,35,482 4 11	55,03,724 12 7	89,635 13 4	51,67,545 5 8	2,46,543 9 7

18. The miscellaneous receipts for notice, warrant and Bataki fees and other small items amounted to Rs. 5,913-8-7 against Rs. 5,584-9-0 in 1900-1901. The receipts for meter hire were Rs. 21,402-12-2, against Rs. 17,238-12-7 for 1900-1901.

19. Certificates of Refund for Taxes were issued as under for 1901-1902 and for former years :—

General Tax	Rs.	20,791	2 7
Water Tax	„	15,048	6 2
Halalkhor Tax	„	7,692	9 3
Wheel Tax	„	78	3 0
Total	Rs.	43,610	5 0

20. There were 18 appeals to the Chief Judge of the Small Causes Court, *viz.*, 14 against assessments, 3 against special halalkhor tax ; 1 against charge for water. Of these 2 were allowed, 3 were dismissed with costs and 13 were settled by consent.

21. I regret to report that the mortality among the employés was great during the year under report. Mr. Parshotam Gangadhar Bhende, 2nd Assistant Assessor, who had served faithfully for 30 years, died on the 11th of March last ; 2 Assistant Superintendents and 4 clerks also died.

22. I think the time has now come, when the Manual of Accounts for the Assessment and Collection Department might be revised in some details, not only as regards the simplification of some of the accounts, but also in the details of work required from the members of the Department. Since 1882 the increase of work has been enormous and, as regards myself, personally, the Head Office work is now so great that for some time past I have been unable to do but little inspection of properties, and that only in special cases. In 1883-1884 the Inward number of letters received was 15,174, and the number despatched was 17,317. In 1901-1902 the numbers were 72,943 and 62,050.

23. More hands are still required, but this is an item for the Budget.

R. P. BRUNTON,
Assessor and Collector.

No. 1802 OF 1902-1903.

BOMBAY MUNICIPALITY, *4th August* 1902.

FROM THE REVENUE AND REFUND AUDIT OFFICER,

To W. L. HARVEY, ESQ., Municipal Commissioner for the City of Bombay.

SIR,—I have the honor to submit the Annual Administration Report of the Revenue and Refund Audit Department for the official year 1901-1902. I was on privilege leave from 1st August to 16th October 1901, during which period Mr. B. D. Banaji, 1st Assistant Assessor, acted for me.

I.—REVENUE AUDIT.

I.—ASSESSOR AND COLLECTOR'S DEPARTMENT.

(a) Ward Offices.

2. The balances and books of the 63 Ward Clerks in the seven wards of the City were duly examined at the end of each quarter. The amount of audit work done on each of these occasions is shown in detail in Appendix **A**.

3. The 67,293 bills for Rs. 31,13,566-8-9 were duly checked in detail with the Ward Office Bill Book, Form 16 (every entry in which was subjected to scrutiny), and in totals, which were themselves tested with the book, kept under para. 9 at page 155 of the Manual, which is practically the Ward Clerk's Ledger. They were also checked with the Head Office Accounts (Forms 8 and 9) both in detail and in totals, respectively.

(b) Head Office.

4. The Assessment Book in both its parts, one for the General Tax and the other for the Water and Halalkhor Taxes, was duly examined, and the exemptions from the payment of the General Tax, the Water Tax, and the Halalkhor Tax were duly checked with a view to ascertain that no property liable to pay any or all of these taxes had escaped assessment.

5. The Vehicle and Animal Tax Book, kept under Section 186 of the Act, was also examined, and all the entries therein checked with the quarterly returns of the Ward Superintendents, and, where necessary, also with the owners' returns, under Section 187, and with the charges made for the preceding quarters. Appendix **B** gives the details for each Ward.

6. As the year recognised by the Bombay Act VI of 1863 is the calendar year, the revenue from the tax on Public Land Conveyances, licensed by the Commissioner of Police under that Act, was also audited for the twelve months, from 1st January to 31st December 1901, the certificates of issue of licenses supplied by that officer under arrangements made with him having been duly checked with the register kept by the Chief Accountant. The following table shows the work done :—

Description of Public Land Conveyances.	No. of Certificates or Vouchers.	Amount of Revenue, including fees for Licenses, Badges, &c.
		Rs. a. p.
Victorias	1,608	57,904 4 0
Riding Hackeries	511	4,459 4 0
Labour Carts	7,453	97,859 6 0
Total...	9,572	1,60,222 14 0

7. Appendix **C** shows the number of claims to one-fifth drawback under Section 158 (2) of the Act, which were scrutinized by this office during 1901-1902.

8. The alterations in value and in demand made through the increase and decrease Forms 11, 11A and 11B, were duly checked with the authority for such alterations, as contained in your orders in the Tabulated Ward Report (Form 13), and in separate sanctions recorded in the Audit Note Books kept in this office. The total number of such entries checked was 6,642.

9. The number of complaints against valuations under Section 163 heard by the Revenue and Refund Audit Officer was :—264-C Bhuleshwar Ward ; 276-E Byculla Ward and 144-G Mahim Ward. The total number of decisions on complaints against amendments under Section 167 of the Act, which were scrutinized by this office, amounted to 291 from all the seven Wards of the City.

10. One hundred and sixty-six irrecoverable bills for Rs. 987-6-2 were scrutinized and submitted to you in the prescribed form for action under Section 216 of the Act. Of these the Standing Committee under their Resolutions Nos. 2444, 9051, 9207, 11387, 11557, 15088 and 853, dated 5th June 1901, 23rd October 1901, 6th November 1901, 5th February 1902, 12th February 1902, 26th March 1902 and 30th April 1902, respectively, sanctioned the writing off of 163 bills amounting to Rs. 969-5-4, as per details given in the subjoined table :—

Wards.	No. of Bills.	Amount.				
		Property Taxes.	Tax on Vehicles and Animals.	Compounded Water Charge.	Process Fees.	Total.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A ...	36	5 10 5	134 10 7	8 14 7	.....	149 3 7
B ...	8	.....	74 6 10	.....	.....	74 6 10
C ...	4	.....	29 14 0	.....	.....	29 14 0
D ...	24	205 15 4	58 14 0	.....	.....	264 13 4
E ...	56	240 2 3	28 0 0	.....	.....	268 2 3
F ...	16	.....	100 0 0	.....	.....	100 0 0
G ...	25	73 1 4	8 0 0	.....	1 12 0	82 13 4
Total...	163	524 13 4	433 13 5	8 14 7	1 12 0	969 5 4

11. The demands, collections and balances of the Department at the close of the year as duly audited in the manner contemplated by the Manual, are summarized below : —

	The General Tax.	The Water Tax.	The Halalkhor Tax.	The Vehicle and Animal Tax.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
I.—Total demands as represented by bills issued ...	39,78,625 3 9	16,57,784 7 0	9,14,940 2 11	1,90,569 8 6	57,41,919 6 2
II.—Deduct bills recalled, which were either cancelled or for which amended bills were issued	1,78,554 12 8	90,718 10 6	52,531 7 2	5,130 9 0	3,26,935 6 10
III.—Net demand for collection	38,00,070 7 1	15,67,065 13 0	8,62,408 11 9	1,85,438 15 6	54,14,983 15 4
IV.—(*a*) Collection paid into the Treasury, including Departmental adjustments	37,05,719 14 11	14,90,325 5 2	7,95,329 3 2	1,76,170 14 5	51,67,545 5 8
(*b*) Irrecoverable bills written off	297 15 0	114 0 1	119 8 10	363 8 2	895 0 1
Total of IV. ...	37,06,017 13 11	14,90,439 5 3	7,95,448 12 0	1,76,534 6 7	51,68,440 5 9
V.—Balance at the close of the year	94,052 9 2	76,626 7 9	66,959 15 9	8,904 8 11	2,46,543 9 7

The collections were checked with the totals of the Chief Accountant under each head, and the balances by an examination of the bills actually on hand in the several Ward Offices on 1st April 1902. They were found to be correct.

II.—Engineer's Department.

12. The Revenue books kept in the Streets and Buildings, Water Works, Drainage, and Special Drainage Branches of the Executive Engineer's Offices were duly checked each month with the permits, receipts, vouchers, and other papers supporting the several entries therein, the object of the audit being to see that the charges were correctly calculated at rates duly sanctioned, and that the collections as shown by the various books were all paid into the Municipal Treasury. The number of vouchers examined (under the 24 heads of Revenue detailed in the table of the 1899-1900 year's Report) was 7,724, representing Rs. 40,077-3-8.

13. A comparison of the Engineer's Accounts with the Audit Note Book in this office which records your sanction in each case as it passes through this office, showed that in 12 cases the fees, the levy of which had been sanctioned by you in the course of the year under report, had not been collected and paid into the Municipal Treasury up to the close of the year, and those 12 cases were duly brought to the notice of the Executive Engineer in this office No. 793 of 28th May 1902, which was forwarded to him through you.

III.—Health Department.

14. The Revenue books kept in the Health Office, as well as those kept in the four Divisional Health Offices (Nos. 1 to 4 Divisions), were duly checked each month with the receipts, vouchers and other papers supporting the entries therein, the object of the audit being to ascertain that the amounts collected as shown by the various books were at the rates fixed under due authority, and that they were all paid into the Municipal Treasury. The number of vouchers examined (under the 17 heads of Revenue detailed in the table of the 1899-1900 year's Report) was 24,172, representing Rs. 66,948-14-8.

IV.—Licensing Department.

15. The number of licenses for 1901-1902, the issue of which was sanctioned by you under Sections 394 and 393 of the Act for the several purposes mentioned in Schedule M (*vide* Appendix G of the 1899-1900 year's Report), was 6,204 for Rs. 67,379 and each of the 6,204 cases passed through this office, and was duly scrutinized, particularly with reference to the amount of fee leviable. The Register of the Superintendent and the counterfoils of the several License books were also checked with the Audit Note Book kept in this office in accordance with your No. 3176 of 20th May 1890, and with the counterfoils of the receipts given by the Chief Accountant's Cashier for the purpose of seeing that the full amount of fee leviable in each case was collected and paid into the Municipal Treasury.

V.—Markets and Slaughter-Houses.

16. The registers and accounts kept for the different Markets and Bandra Slaughter-Houses were duly checked with the counterfoils of receipts issued to stall-holders, &c., and with the other vouchers available. The total number of vouchers examined (under the 29 heads of Revenue detailed in the tables of the 1899-1900 year's Report) was 14,596, representing Rs. 4,22,981-9-5, which amount appeared duly credited into the Municipal Treasury.

VI.—Victoria Gardens.

17. The Revenue books kept in the Superintendent's office were duly checked with the counterfoils of receipts issued for the sale of garden produce as well as with the counterfoils of tickets issued for the elephant rides in the Victoria Gardens (from 25th August 1901). The number of vouchers examined was 16,253, representing Rs. 9,381-8-9, which amount appeared duly credited into the Municipal Treasury.

General.

18. As the monthly or quarterly audit of the several departments proceeded, the errors, irregularities or omissions, which were discovered in the course of it, were brought to the notice of the Heads of Departments concerned by means of official communications addressed to them through you.

II.—REFUND AUDIT.

I.—Assessment Department.

19. The number of claims to refund for vacancy under Sections 174 to 179 of the Act, and on account of over-collections, which were scrutinized and sanctioned by this office in the year under report, was 1,312, representing Rs. 43,192-11-4.

Town Duty Refunds.

20. As the Port Trustees and the two Railway Companies send in no Administration Reports of the Town Dues collected by them on behalf of the Municipality, it is usual for this office to submit the two statements (compiled in respect of collection from figures supplied by the Chief Accountant) marked as Appendices **D** and **E** to this report. The following table compares the total results for the year under report with those for the previous year :—

Year.	Gross Revenue.	Total Refunds.	Net Revenue.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
1900-1901	30,84,008 10 4	18,66,982 2 0	12,17,026 8 4
1901-1902	21,39,404 3 6	11,07,157 4 0	10,32,246 15 6

21. On reviewing the Appendices **D** and **E** it will be seen that the falling off of Rs. 1,34,779 in the net revenue is the net result of increases under some heads and decreases under others, the most prominent being the decreases under the heads of grain and flour, sugar and firewood. The first and last of these decreases are due entirely to the lowering of the rates of duty from annas 6 to annas 4 per candy in the case of grain, from annas 4½ to annas 3 per candy in that of flour, and from annas 2 to anna 1 per candy in that of firewood, although as a matter of fact the local consumption and stock of these articles—grain and flour being considered together—has actually been larger than in the year previous. The diminution under sugar is due to a heavy fall in the imports, which, however, has to a large extent been counteracted by a fall in the exports. The fluctuations of the imports and exports of all articles were such that, if the rates of duty had been the same as in the previous year, the net revenue would have shown a satisfactory advance over that year.

22. The refunds sanctioned have been smaller than those in the previous year in respect of every article owing to diminished exports, but the falling off under grain and flour is also further due to the reduction in the rates of duty referred to.

23. The number of claims dealt with during the year was 47,083 against 71,699.

Conclusion.

24. In addition to the above, the office had to deal with correspondence of all departments affecting revenue which passes through this office and with questions of principles relating to revenue, the importance of which can scarcely be judged by the number of inward and outward references, which were respectively 5,430 and 6,343 in the year under report.

I have the honor to be,
Sir,
Your most obedient Servant,

W. PEARSON,
Revenue and Refund Audit Officer.

Appendix A.

STATEMENT of Balances examined quarterly during 1901-1902.

No. of Ward Clerks.	Wards.	Balances examined on 1st April 1901.		Balances examined on 1st July 1901.		Balances examined on 1st October 1901.		Balances examined on 2nd January 1902.		Total Balance examined during the year.	
		No. of Bills.	Amount.	No. of Bills.	Amount.	No. of Bills.	Amount.	No. of Bills.	Amount.	No. of Bills.	Amount.
			Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.
11	A—Fort and Colaba	3,050	1,06,523 1 8	5,057	4,43,815 14 1	2,672	1,25,626 12 9	5,128	4,21,509 10 11	15,907	10,97,505 7 5
10	B—Mandvi	827	37,695 11 8	3,760	2,36,904 11 3	689	26,246 8 4	3,840	2,26,543 0 11	9,116	5,27,390 0 2
12	C—Bhuleshwar	992	52,136 8 1	4,572	2,33,451 6 2	941	35,316 10 9	4,442	2,12,998 9 2	10,947	5,33,903 2 2
8	D—Girgaum	1,659	52,628 12 8	3,818	1,59,769 5 9	1,400	34,998 3 10	3,145	1,33,732 11 11	10,022	3,81,129 2 2
12	E—Byculla	1,904	59,677 6 6	2,907	1,12,714 7 10	1,094	32,264 0 6	2,576	1,00,725 12 5	8,481	3,05,381 11 3
5	F—Parel	1,279	28,720 9 2	2,362	47,781 12 11	700	11,918 2 7	1,404	23,477 13 2	5,745	1,11,898 5 10
5	G—Mahim	1,056	37,262 1 3	3,064	80,379 11 11	616	7,787 11 9	2,339	30,929 2 10	7,075	1,56,358 11 9
63	Total ...	10,767	3,74,644 3 0	25,540	13,14,847 5 11	7,712	2,74,158 2 6	22,874	11,49,916 13 4	67,293	31,13,566 8 9

Appendix B.

STATEMENT of Entries in the Vehicle and Animal Tax Book checked with the Quarterly Return and Forms VI and VIII.

Wards.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Total No. of Entries.
A—Fort and Colaba ..	1,137	1,512	1,642	1,747	6,038
B—Mandvi	558	592	635	655	2,440
C—Bhuleshwar ...	798	855	933	988	3,574
D—Girgaum ...	1,108	1,289	1,442	1,545	5,384
E—Byculla	564	637	703	809	2,713
F—Parel	214	222	243	264	943
G—Mahim	148	167	183	200	698
Total ...	4,527	5,274	5,781	6,208	21,790

Appendix C.

STATEMENT of $\frac{1}{5}$ Drawback Cases sanctioned during 1901-1902.

Wards.	1st half of 1901-1902.			2nd half of 1901-1902.			Total for the year.		
	No. of claims received.	No. of claims admitted.	Amount of Drawback sanctioned.	No. of claims received.	No. of claims admitted.	Amount of Drawback sanctioned.	No. of claims received.	No. of claims admitted.	Amount of Drawback sanctioned.
			Rs. a. p.			Rs. a. p.			Rs. a. p.
A—Fort and Colaba.	538	406	6,705 4 1	540	407	6,699 2 1	1,078	813	13,404 6 2
B—Mandvi	1,730	1,431	11,851 3 7	1,902	1,511	12,912 0 7	3,632	2,942	24,763 4 2
C—Bhuleshwar ...	2,407	2,004	15,500 14 5	2,647	2,172	17,166 8 4	5,054	4,176	32,667 6 9
D—Girgaum ...	860	629	4,383 2 1	863	659	4,693 12 7	1,723	1,288	9,076 14 8
E—Byculla	1,620	1,201	6,934 4 7	1,781	1,335	6,740 11 8	3,401	2,536	13,675 0 3
F—Parel	361	257	1,321 7 10	363	257	1,352 4 7	724	514	2,673 12 5
G—Mahim	376	273	1,719 8 3	464	300	1,850 2 8	840	573	3,569 10 11
Total ...	7,892	6,201	48,415 12 10	8,560	6,641	51,414 10 6	16,452	12,842	99,830 7 4

Appendix D.

STATEMENT contrasting the Collections, Refunds, and Net Revenue from Town Duties for the years 1900-1901 and 1901-1902.

Name of Article.	COLLECTIONS.						REFUNDS.								NET REVENUE.			
	1900-1901.		1901-1902.		Increase in 1901-1902.	Decrease in 1901-1902.	1900-1901.			1901-1902.			Increase in 1901-1902.	Decrease in 1901-1902.	1900-1901.	1901-1902.	Increase in 1901-1902.	Decrease in 1901-1902.
							On account of Exports.	On account of Articles supplied to Government.	Total.	On account of Exports.	On account of Articles supplied to Government.	Total.						
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Grain @ As. 6 per Candy	11,81,980 2 4		....				8,70,025 5 0			1,15,187 15 0								
Do. „ As. 4 do.	372 11 0		5,42,702 8 9				.....			1,67,370 8 0								
Total		11,82,952 13 4		5,42,702 8 9	.....	6,40,250 4 7		8,70,025 5 0	.....		2,81,508 7 0	.....	2,81,508 7 0	.....	5,68,516 14 0			
Flour @ As. 4½ per Candy.....	61 4 0		....				29,697 14 0			1,166 11 0								
Do. „ As. 3 do.	....		45 9 3				.....			17,734 9 0								
Total		61 4 0		45 9 3	.....	15 10 9		29,697 14 0	.....		18,901 4 0	.....	18,901 4 0	.....	10,796 10 0			
															2,83,290 14 4	2,42,338 7 0	.....	40,952 7 4
Sugar @ As. 8 per Cwt.....		11,54,323 2 9		9,53,367 10 0	.....	1,94,952 3 9		8,25,778 7 0	1,483 14 0	8,27,262 5 0		7,11,304 12 0	141 3 0	7,11,445 15 0	.....	1,15,816 6 0	3,27,057 13 9	2,47,921 11 0	.....	79,136 2 9
Wines and Spirits @ As. 4 per Impl. Gallon		2,35,383 2 10		2,43,164 15 8	7,781 12 10	.....		15,846 15 0	.....	15,846 15 0		15,254 7 0	.....	15,254 7 0	.....	392 8 0	2,19,736 3 10	7,27,910 8 4	8,174 4 10	.....
Beer @ 6 pies per Impl. Gallon..		36,203 15 9		40,921 8 4	4,717 8 7	.....		28,385 11 0	.....	28,385 11 0		25,453 10 0	.....	25,453 10 0	.....	2,932 1 0	7,818 4 9	15,467 14 4	7,649 9 7	.....
Ghee @ As. 10 per B'bay Maund		2,77,498 13 0		2,36,182 15 9	.....	41,315 13 3		70,783 10 0	.....	70,783 10 0		33,530 5 0	.....	33,530 5 0	.....	37,253 5 0	2,06,715 3 0	2,02,652 10 9	.....	4,062 8 3
Timber @ 2½ per cent. on Market Value.....		1,26,813 10 5		1,24,859 7 9	.....	1,954 2 8		25,180 6 0	.....	25,180 6 0		21,063 4 0	.....	21,063 4 0	.....	4,117 2 0	1,01,633 4 5	1,03,796 3 9	2,162 15 4	.. ..
Firewood @ Annas 2 per Candy.	70,766 12 3		....															
Do. „ Anna 1 do. ..	8 0 0		42,159 8 0															
Total		70,774 12 3		42,159 8 0	.....	28,615 4 3	.....	.....	.....	.....	.....	.....	.....	.....	70,774 12 3	42,159 8 0	.....	28,615 4 3
					12,499 5 5	9,07,103 12 3											17,986 13 0	1,62,766 6 7
						12,499 5 5												17,986 13 9
Total..Rs.		30,34,003 10 4		21,89,404 2 6		8,94,604 6 10		18,65,498 4 0	1,483 14 0	18,66,982 2 0		11,07,016 1 0	141 3 0	11,07,157 4 0		7,59,824 14 0	12,17,026 8 4	10,52,246 15 6		1,34,779 8 10

Appendix E.

STATEMENT contrasting the Imports, Exports and Balance of the several Articles subjected to Town Duty during the years 1901-1902 with those of 1900-1901.

Name of Article.	IMPORTS.					EXPORTS AND SUPPLY TO GOVERNMENT BY CONTRACTORS.								BALANCE (LOCAL CONSUMPTION AND STOCK).			
	1900-1901.		1901-1902.		Increase in 1901-1902.	Decrease in 1901-1902.	1900-1901.			1901-1902.			Increase in 1901-1902.	Decrease in 1901-1902.	1900 1901.	1901-1902.	Increase in 1901-1902.	Decrease in 1901-1902.
							Exports.	Supplied to Government.	Total.	Exports.	Supplied to Government.	Total.						
Grain @ As. 6 per Candy .....Candies	31,51,946		..				23,20,067			3,01 308								
Do. do. 4 do. ..... „	3,891		21,70,810				..			6,69,482								
Total Candies,...		31,55,837		21,70,810	..	9,85,027		23,20,067	..	23,20,037		9,73,850	..	9,73,850	..	12,46,217		
Flour @ As. 4½ per Candy.....Candies.	218		..				105,592			4,148					6,95,271	10,05,640	3,70,369	..
Do do. 3 do. ..... „	..		243				..			94,585								
Total Candies.....		218		243	25	..		1,05,592	..	1,05,592		98,733	..	98,733	..	6,859		
Sugar @ As. 8 per Cwt..... Cwts.	..	23,08,640	..	19,18,735	..	3,89,905	..	16,51,667	2,858	16,54,525	..	14,22,609	282	14,22,892	..	2 31,633	6,54,115	4,95,843	..	1,58,272
Wines and Spirits @ As. 4 per Impl. Gallon .....Gallons.	..	9,41,535	..	9,72,660	31,127	..	[illegible]			62,858	..	61,018	..	61,018	..	1,570	8,78,945	9,11,642	32,697	..
Beer @ pies 6 per Impl. Gallon.. „	..	11,56,527	..	13,09,489	1,50,962	..	[illegible]			9,08,342	..	3,14,516	..	3,14,516	..	93,826	2,50,185	4,01,973	1,51,788	..
Ghee @ As. 10 per B'bay Md. ....Maunds.	..	4,43,998	..	3,77,891	..	66,107	..	1,13,254	..	1,13,254	..	53,648	..	53,648	..	59,606	3,30,744	3,24,243	..	6,501
Timber @ 2½ per cent. on Market value .....Value Rs.	..	50,72,539	..	49,94,380	..	78,159	..	10,07,215	..	10,07,215	..	8,42,530	..	8,42,530	..	1,64,685	40,65,324	41,51,850	86,526	..
Firewood @ Annas 2 per Candy. Candies.	5,66,134		..															
Do. do. 1 do. do.	128		6,74,552															
Total Candies.		5 66,262		6,74,552	1,08,290	..	..	..	..	..	..	..	..	..	..	..	5,66,262	6,74,552	1,08,290	..

PUBLIC WORKS.

A.—Introductory Remarks ..... Page 98
B.—New Works, General ..... „ 99
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F.—Regulation of Streets and Buildings ..... „ 126
G.—Roads, Footpaths, &c. ..... „ 128
H.—Public Lighting ..... „ 129
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J.—General—Bills, Notices and Correspondence, Summary of Clerical Work, Plague Operations, and Municipal Servants' Act ..... „ 135
K.—Fire Brigade ..... „ 139
L.—Gardens ..... „ 142
M.—Victoria and Albert Museum ..... „ 145

Note.—The Report on Public Works—**A** to **J**—is by M. C. Murzban, Esq., C.I.E., F.R.I.B.A., M. Inst. C.E., Executive Engineer, Municipality, forwarded with his letter No. 7201, dated 5th August 1902.

The Report on Fire Brigade—**K**—is by W. J. Beane, Esq., Acting Chief Officer of the Fire Brigade, forwarded with his letter No. 176, dated 13th May 1902.

The Report on Gardens—**L**—is by C. D. Mahaluxmiwala, Esq., Superintendent of Municipal Gardens, forwarded with his letter No. 353, dated 15th May 1902.

The Report on Victoria and Albert Museum—**M**—is by the Acting Secretary and Curator, R. M. Dixon, Esq., B. A., forwarded with his letter, No. 151, dated 20th May 1902.

No. 7201 of 1902-1903.

Executive Engineer's Office,
Bombay, *5th August* 1902.

To

The Municipal Commissioner
for the City of Bombay.

Sir,

I have the honor to forward herewith the Administration Report of the Department under my control for the year 1901-1902 as requested in your No. 1455, dated 14th April 1902.

2. The Report is divided under the following heads :—

	Paras.
A—Introductory Remarks	3 to 15
B—New Works, &c., General...	16 to 55
C—Special Drainage Works	56 to 136
D—Ordinary Drainage Works	137 to 208
E—Water Works	209 to 249
F—Regulation of Streets and Buildings	250 to 260
G—Roads, Footpaths, &c.	261 to 268
H—Public Lighting	269 to 280
I—Workshops	281 to 304
J—General—Bills, Notices and Correspondence, Summary of Clerical Works, Plague Operations, and Municipal Servants' Act ...	305 to 309

A.

INTRODUCTORY REMARKS.

ESTABLISHMENT.

3. I held the appointment of Executive Engineer, Municipality, throughout the year, except during the period from 10th April to 9th June 1901, when I was on two months' privilege leave. Mr. C. C. JAMES, M.I.C.E., Deputy Executive Engineer, Drainage, Special Branch, conducted my duties during my absence.

4. I was assisted by the following officers in conducting the duties of the different branches of the Department :—

5. Mr. C. C. JAMES, M.I.C.E., Deputy Executive Engineer, Drainage, Special Branch, was in charge of the Special Drainage Works. Mr. JAMES was allowed one month's privilege leave from 17th June to 16th July 1901, and two months' and three days' deputation leave in continuation thereof to enable him, while in England, to discuss the schemes for the drainage of some of the portions of Bombay with the firm of Messrs. Taylor Sons and Santo Crimp. Consulting Engineers. Mr. NICHOLAS MAUGHAN, C.E., Deputy Executive Engineer, Drainage, Ordinary Branch, conducted Mr. JAMES' duties in addition to his own during this period.

6. Mr. NICHOLAS MAUGHAN, C.E., Deputy Executive Engineer, Drainage, was in charge of the Drainage Ordinary Branch.

7. Mr. A. FAIRLIE BRUCE, M.I.C.E., Deputy Executive Engineer, Water Branch, assisted by Mr. NASSERWANJI DORABJI BHADA, L.C.E., A.M.I.C.E., Assistant Engineer, Water Works, was in charge of the Water Branch.

8. Mr. MANECKJI SHERIARJI BHARUCHA, L.C.E., Assistant Engineer, General Branch, was in charge of the Road Branch. He also assisted me in preparing projects for new works, framing reports, and supervising the new works in the General Branch of this Department.

9. Mr. BHARUCHA has been allowed 18 months' leave without pay from 1st August 1901 with a view to his taking up the appointment of Land Manager of the City of Bombay Improvement Trust.

10. Mr. KAIKHUSRU PESTONJI BHEDWAR, L.C.E, first Divisional Superintendent, Streets and Buildings Branch, has been appointed to act for Mr. BHARUCHA as Assistant Engineer during his absence.

11. Mr. B. H. HEWETT, A.M.I.C.E., Assistant Engineer, was in charge of the Mechanical Branch and supervised the working, repairs and maintenance of the Love Grove Pumping Station, the Air Compressor Stations at Love Grove and Colaba, the Municipal Workshops, and the Electric Light Installation, &c.

12. Mr. HEWETT was allowed three months' privilege leave from 19th August 1901. His duties were conducted by Mr. W. E. MAYERS, first Engineer of the Pumping and Compressor Stations at Love Grove, during his absence.

13. Mr. JAMSHEDJI DADABHOY NADIRSHAW, L.C.E., and Mr. NOWROJI DADABHOY KATRAK, L.C.E., Assistant Engineers, were in charge of the House Improvement Branch under the Epidemic Disease Act. The former up to the end of July 1901, and the latter throughout the year.

14. Messrs. KAIKHUSRU PESTONJI BHEDWAR, L.C.E., JAMSHEDJI DADABHOY NADIRSHAW, L.C.E., NOWROJI HORMASJI KATRAK, L.C.E., and HARI BHIKAJI BHANDARE, L.C.E., Divisional Superintendents, assisted me in matters connected with Streets and Buildings.

15. Mr. GOVINDRAM DULABHRAM, Architectural Surveyor, was in charge of the Architectural and Drawing Branches. He helped me in preparing plans and estimates and supervising the construction of the new buildings and the maintenance of existing ones. He also supervised the construction of the several temporary hospitals, segregation and health camps, &c., in connection with the measures taken for the suppression of the plague.

B.

NEW WORKS, &c.

16. Subjoined is a list of new works, each costing over Rs. 3,000. They are divided as follows :—

(*a*) Those completed during the previous years, but the accounts of which remained unadjusted till the commencement of the year under report, (*b*) those which were in progress at the beginning of the year under report and completed during that year ; (*c*) those which were commenced and completed during the year ; (*d*) those which were commenced but not completed during the year ; and (*e*) those which have been sanctioned but not proceeded with or postponed for want of funds or other reasons.

List of New Works, each costing over Rs. 3,000.

Consecutive Number.	Description of Work, &c.	Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1902.	Actual or probable dates of completion.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	
	WORKS COMPLETED DURING THE PREVIOUS YEARS, BUT THE ACCOUNTS OF WHICH REMAINED UNADJUSTED TILL THE COMMENCEMENT OF THE YEAR UNDER REPORT.				
	Drainage, Special.				
1	Providing and constructing masonry side drains on Malabar Hill	10,000 0 0	7,677 13 6	.....	31st Mar. 1901.
	Drainage, Ordinary.	Rs. a. p.			
2	Connecting the Valpakhady latrines with the new sewers thereat and constructing a two-hopper Night-soil Depôt by the side of the latrine	3,494 0 0			
3	Extending paving in front of Night-soil Depôt at Valpakhady and connecting two blocks of latrines with 9″ pipe sewer	947 0 0			
		4,441 0 0	3,947 5 5	.....	30th May 1900.
4	Stoneware channel in the open drain between Falkland Road and Foras Road on the east of B. B. & C. I. Railway...	3,638 0 0	3,106 13 0	.....	23rd Jan. 1901.
5	Constructing side entrances on Parel Road storm-water drain between Paidhoni Road and Bellasis Road	7,776 0 0	6,267 14 3	.....	23rd Jan. 1901.
6	Remodelling the side drains to the east and west of Fanaswadi Lane	3,154 0 0	2,357 15 3	.....	30th July 1900.
	WORKS IN PROGRESS AT THE BEGINNING OF THE YEAR UNDER REPORT AND COMPLETED DURING THAT YEAR.				
	Buildings.				
7	Quarters for Watchmen and Sluicemen at Malabar Hill Reservoir	4,700 0 0	3,258 12 9	.....	31st May 1901.
8	Quarters for Watchmen and Sluicemen at Bhandarwada Reservoir	4,006 0 0	3,911 9 5	.....	31st August 1901

New Works, &c.—(*continued*).

Consecutive Number.	Description of Work, &c.	Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1902.	Actual or probable dates of completion.
	WORKS IN PROGRESS AT THE BEGINNING OF THE YEAR UNDER REPORT AND COMPLETED DURING THAT YEAR—*concld.*	Rs. a. p.	Rs. a. p.	Rs. a. p.	
	Miscellaneous.				
9	Extension of the Sewri Cemetery ...	87,111 0 0	71,516 0 10	.....	30th June 1901.
	Drainage, Ordinary.				
10	Pipe Sewer work	29,789 1 0	19,447 14 6	.....	28th Feb. 1902.
	Water Works.				
11	Venturi Meter at Malabar Hill Reservoir.	4,000 0 0	3,997 12 0	.....	5th April 1901.
12	Connecting dead end of water service main at Carnac and Bohra Bazaar, Bellasis Road, Mahim Bazaar Road, Mody and Nagdevi Streets	5,987 0 0	5,710 10 0	.....	30th Mar. 1901.
	WORKS COMMENCED AND COMPLETED DURING THE YEAR.				
	Buildings.				
13	Extending the existing Aquatic Cage in the Victoria Gardens	5,511 12 11	5,016 3 8	.....	6th Oct. 1901.
14	Construction of a temporary stable for the bullocks of the Health Department in Stable Street, Kamatipura ...	5,341 0 0	4,280 5 10	.....	30th Sept. 1901.
	Miscellaneous.				
15	Renewing the fence along the Bellasis Road Bridge	6,930 0 0	4,913 3 8	.....	9th Jan. 1902.
16	Paving Cab-stands (Grant of 1900-01)...	5,000 0 0	4,087 13 0	.....	12th July 1901.
17	Purchase of property belonging to Mr. Dewji Ramji at Kamatipura, 7th and 8th Streets	9,348 0 0	8,276 9 3	.....	16th May 1901.
18	Purchase of 5 brushing machines ...	4,000 0 0	3,800 0 0	.....	4th Aug. 1901.
19	Renewing the corrugated iron sheet roofing of the Arthur Crawford Markets (Grant of 1900-01)	10,500 0 0	.....	5,460 3 3	31st Jan. 1902.
	Drainage, Special.				
20	Storm-water drain at Fergusson Road from DeLisle Road to the water course 3,200 feet west of the road...	34,552 0 0	29,964 4 9	.....	15th June 1901.
	Drainage, Ordinary.				
21	Constructing a night-soil depôt at Arthur Road	7,000 0 0	5,988 14 0	.....	31st Dec. 1901.
22	Connecting a covered storm-water drain in the line of the water-course between the Gilder Street and Gilder Lane and covering it with dry rubblestone and earth work	8,270 0 0	6,521 2 1	....	11th July 1901.
	Water Works.				
23	Laying a 4″ C. I. Main from Colaba Causeway along Mayo Road and the new road along the Wellington Line to the Wodehouse Road	6,250 0 0	4,304 13 2	.....	15th Nov. 1901.

New Works, &c.—(*continued*).

Consecutive Number.	Description of Work, &c.		Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1902.	Actual or probable dates of completion.
			Rs. a. p.	Rs. a. p.	Rs. a. p.	
	WORKS COMMENCED BUT NOT COMPLETED OR COMPLETED AND ACCOUNTS NOT CLOSED DURING THE YEAR.					
	Buildings.					
24	Constructing additional quarters for Laskars at Love Grove		7,500 0 0	.....	233 2 4	2nd May 1902.
25	Constructing new quarters for an Engineer and 10 Laskars at Sankli Tank, Fire Brigade Station		15,987 0 0	.....	7,239 1 8	30th Jan. 1902.
	Roads.					
26	Roads and Streets in Agripada and elsewhere—					
	For roads and streets and frontages ...	Rs. 24,50,000				
	For storm-water drains in Morland, Souter and Club' Roads and Gilder Street...	„ 1,28,288				
			25,78,288 0 0	.....	24,01,614 15 5	
27	Construction of Reay Road from Wari Bunder to Gunpowder Road, Mazagon	„ 7,30,000				
	Victoria Road extension	„ 36,200				
	Burial-ground for Mahomedans and Beni-Israels ...	„ 2,41,952				
	To be paid by the Municipality Rs. 8,51,652					
	To be paid by the Port Trust. Rs. 1,56,500					
			10,08,152 0 0	.....	6,63,948 6 1	
	Miscellaneous.					
28	Additional Burial-ground at Narielwady.		1,75,000 0 0	.....	1,33,305 9 4	
29	Railway sidings, platforms, &c., to carry away Town sweepings to Deonar ...		8,44,000 0 0	.....	7,81,057 2 11	
30	Burning and Burial Ground at Mahim...		30,774 0 0	.....	19,884 7 1	
31	Burning and Burial Ground at Worli ...		29,373 0 0	.....	17,565 2 0	
32	Renewing the corrugated iron sheet roofing of the Arthur Crawford Markets (Grant of 1901-02) ...		5,000 0 0	.....	84 0 0	17th July 1902.
33	Paving Cab-stands (Grant of 1901-02).		5,000 0 0	.....	976 0 0	26th April 1902.
34	Erection of a fountain on a portion of the ground reclaimed from the Cowasji Patel Tank		5,000 0 0	.....	210 4 9	10th May 1902.
35	Constructing masonry walls around the portion of the Municipal ground at Haines Road and filling in the same with earth		11,167 0 0	.....	1,850 1 0	

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New Works, &c.—(*continued*).

Consecutive Number.	Description of Work, &c.	Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1902.	Actual or probable dates of completion.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	
	WORKS COMMENCED BUT NOT COMPLETED OR COMPLETED AND ACCOUNTS NOT CLOSED DURING THE YEAR—*concld.*				
	Drainage, Special.				
36	Machinery for the sewerage of Parel, Mazagon, &c., Sectional Districts (on the Shone system)	8,77,625 0 0	.....	8,54,410 7 9	1st May 1901.
37	Storm-water drain in Tardeo Road ...	1,77,607 0 0	.....	1,13,867 11 0	8th Nov. 1901.
38	Sewerage of Parel Sectional District ...	5,43,072 0 0	.....	2,46,278 9 2	31st Dec. 1902.
39	Sewerage of Fergusson Road and Chinchpokli Sectional District	3,30,008 0 0	.....	1,41,414 6 7	30th June 1902.
40	Sewerage of Colaba (on Shone system)...	8,64,484 14 4	.....	8,21,071 3 11	1st May 1895.
41	Sewerage of Mazagon Sectional District.	3,30,072 0 0	.....	2,33,014 15 6	31st March 1900.
42	Sewerage of Umarkhady	3,86,993 0 0	.....	3,07,263 12 4	8th August 1895.
43	Works for the improvement of the road-side drains in and about Dadar Road.	30,475 0 0	.....	22,302 3 0	
44	Seventeen catchpits on pipe sewers and 7 catchpits on ovoid sewers	70,700 0 0	.....	15,542 1 6	31st May 1902.
45	Providing and constructing masonry side drains on Malabar Hill (2nd batch)...	10,000 0 0	.....	4,117 13 6	28th Feb. 1902.
46	Providing and constructing masonry side drains on—				
	(*a*) Naigam Cross Road on both sides from Vincent Road to Dadar Road ...	.....	.....	.....	
	(*b*) East and west of Gorupdeo Road	8,957 0 0	.....	2,679 7 5	19th Feb 1902.
	Drainage, Ordinary.				
47	Constructing a storm-water drain with manholes and water gullies in Grant Road and Dhanji Street	12,390 0 0	.....	27 7 11	17th May 1902.
48	Completion of House Drainage connection in different parts of the City.	11,95,356 0 0	.....	1,90,297 15 0	28th Feb. 1904.
49	Tidal flaps on the ovoid sewers ...	13,548 0 0	.....	10,296 3 10	28th Feb. 1902.
50	Making and fixing 4 pairs of gates at the Love Grove Sluices	7,345 0 0	.....	.....	28th Feb. 1902.
51	Constructing three water closets in the Victoria Gardens	3,030 0 0	.....	.....	31st Jan. 1902.
	Water Works.				
52	Construction of quarters for workmen of the Water Branch at Coorla ...	5,000 0 0	.....	128 8 0	19th April 1902.
53	Construction of Inspectors' quarters at Coorla	4,000 0 0	.....	863 14 6	19th April 1902.
54	Purchase and fixing of new pattern hydrants	65,000 0 0	.....	40,980 15 7	31st May 1903.
55	Substituting an iron pipe for the masonry duct near Bhandup ...	12,000 0 0	.....	7,546 9 9	31st Dec. 1902.
56	Repairing and strengthening Kasheli embankment, Tansa Duct	35,892 0 0	.....	22,410 11 11	28th Feb. 1903.

New Works, &c.—(*continued*).

Consecutive Number.	Description of Work, &c.	Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1902.	Actual or probable dates of completion.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	
	WORKS SANCTIONED BUT NOT PROCEEDED WITH OR POSTPONED FOR WANT OF FUNDS OR OTHER REASONS.				
	Buildings.				
57	New Market at Chowpati	17,000 0 0	.....	63 0 0	
58	Health Department bullock stables and quarters for sweepers in Ward E, near the Victoria Gardens ...	1,50,000 0 0	.....	44,437 1 5	
59	Constructing quarters for workmen at Love Grove Air Compressor Station, including purchase of land and an old chawl	23,000 0 0	.....	.....	
60	Construction of a temporary market for the squatters in Kazi Syed Street, west of Masjid Station	3,000 0 0	.....	.....	
	Drainage, Special.				
61	Low level channel from Tardeo Flats to Worli Point	13,49,068 0 0	.....	11,837 9 5	
62	Sewerage of Malabar Hill District (Sectional)	7,71,190 0 0	.....	.....	
	Drainage, Ordinary.				
63	Colaba latrines	24,598 0 0	.....	10,590 14 1	
64	Latrines and urinals at 2nd Pasta Lane, Colaba	5,742 0 0	.....	.....	
65	Walkeshwar latrines	7,110 0 0	.....	673 6 0	
	Water Works.				
66	C. I. Main to Sewri Cemetery Road from Gorupdeo Road *via* Jakaria Bunder Road, 12″ for 5,080 feet and 4″ for 1,359 feet	38,981 0 0	.....	.....	
67	Main along Kala Chowki Road from Parel Road to Gorupdeo Road and along Reay Road from Kala Chowki Road to Bhandarwada Reservoir ...	1,38,000 0 0	.....	.....	
68	9″ service main connected at one end with the Bhandarwada Reservoir, and the other with the Sewri Road 12″ main and supplemented midway by a 9″ service main down Connaught Road	60,000 0 0	.....	.....	
69	22″ steel main from 48″ Tansa main at Chinchpokli to Forjet Street and 32″ main from Forjet Street to Malabar Hill	2,10,000 0 0	.....	.....	
70	32″ Outlet mains from Malabar Hill to Chowpati	30,000 0 0	.....	.....	
71	9″ and 10″ pipe from Grant Road to Kamathipura	13,000 0 0	.....	.....	
72	Distribution mains in Tardeo and Gamdevi Roads	20,000 0 0	.....	.....	

New Works, &c.—(*concluded*).

Consecutive Number.	Description of Work, &c.	Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1902.	Actual or probable dates of completion.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	
	WORKS SANCTIONED BUT NOT PROCEEDED WITH OR POSTPONED FOR WANT OF FUNDS OR OTHER REASONS—(*contd.*)				
	Water Works—contd.				
73	Replacing 32″ Vehar pipe for 1½ miles by 48″ steel mains	3,25,000 0 0	.....	.....	
74	9″ main at DeLisle Road	15,181 0 0	.....	.....	
75	4″ main at Khara Talao Road... ...	3,950 0 0	.....	.....	
76	15″ water main from 24″ main in Bhoivada to Elphinstone Road as far as new Parbhadevi Road and thence a 9″ main to the Century Mill ...	60,510 0 0	.....	.....	
77	Improvement of the Outlet Towers at Vehar and Tulsi	30,000 0 0	.....	5,083 7 2	
78	Renewals of existing mains	3,75,000 0 0	.....	26,517 3 9	
79	Construction of additional filters with a roof covering at the Malabar Hill Reservoir	2,93,330 0 0	.....	.....	
80	Laying a 6″ main from 18″ main in Esplanade Road connecting with the 16″ main in Hornby Road	10,130 0 0	.....	.....	
81	Removing 3″ service mains in B. Ward with 4″ pipes	15,000 0 0	.....	.....	

NEW WORKS.

GENERAL BRANCH.

Quarters for Watchmen and Sluicemen at Malabar Hill and Bhandarwada Reservoirs.

17. The works of constructing quarters at Malabar Hill and Bhandarwada Reservoirs, referred to in last year's Administration Report, have been completed at a total cost of Rs. 3,258-12-9 and Rs. 3,911-9-5 respectively.

Construction of Quarters for an Engineer and Laskars of the Fire Brigade at Sankli Tank.

18. This work was sanctioned by the Corporation in the Budget of 1901-02.

19. Tenders were invited, and the one of Messrs. Dewram Keshavji and Co. being the lowest of three tenders received, was accepted by the Municipal Commissioner under his memorandum No. 8833 of 4th July 1901.

20. Order to commence the work was given to the contractors on 31st August 1901. The work should have been completed on the 30th January 1902 according to the conditions of the contract, but the Chief Officer of the Fire Brigade having submitted a proposal after its commencement for the construction of quarters for two Engineers instead of one as originally contemplated, the work had to be stopped for some time.

21. Revised estimates were prepared and sanctioned by the Standing Committee under their Resolution No. 11571 of 12th February 1902. The work was re-commenced on the 1st March 1902 and the contractors were granted an extension of one month, within which the work was to be completed.

22. The contractors, however, failed to complete it within that period, and the work was in progress at the end of the year under report.

23. The total expenditure passed up to 31st March 1902 has been Rs. 7,239-1-8.

Construction of an upper storey over the existing workmen's quarters at Love Grove.

24. This work was sanctioned in the Budget of 1901-02 at a cost of Rs. 7,500.

25. Tenders were invited, and that of Mr. Canji Bhanji, being the lower of the two tenders received, was accepted by the Municipal Commissioner under his memorandum No. 22659 of 22nd November 1901.

26. Order to commence the work was given to the contractors on 3rd January 1902, and it was in progress at the end of the year under report.

27. The total expenditure passed up to 31st March 1902 has been Rs. 223-2-4.

Construction of a Cage for an Elephant in the Victoria Gardens.

28. This work, referred to in the last year's Administration Report, has been completed at a total cost of Rs. 2,862-1-0.

Extending the existing Aquatic Birds' Cage in the Victoria Gardens.

29. This work was sanctioned under Standing Committee's Resolution No. 2430 of 5th June 1901.

30. Tenders were invited, and only one of Messrs. Dewram Keshavji and Co. was received. It was accepted by the Municipal Commissioner under his memorandum No. 4847 of 28th May 1902.

31. Order to commence the work was given to the contractors on 6th June 1901, and it was completed at a total cost of Rs. 5,016-3-8.

Construction of a temporary stable for the bullocks of the Health Department in Stable Street, Kamatipura.

32. This work was sanctioned by the Commissioner under his memorandum No. 8189 of 27th June 1901, to be paid for from the Budget grant of Rs. 7,983 for unforeseen Minor Works reserved in the Budget for 1901-02.

33. Tenders were invited, and that of Messrs. Dewram Keshavji and Co., being the lowest of three tenders received, was accepted by the Municipal Commissioner under his memorandum No. 8189 of 27th June 1901.

34. Order to commence the work was given to the contractors on 1st August 1901.

35. According to the conditions of the contract the work should have been completed on the 30th September 1901, but the contractors were unable to do so as the order to commence the work was given during the monsoon when the ground was under water and also on account of a dispute with the owner of the neighbouring land regarding the boundary of the land on which the stable has been constructed which had to be settled before the contractors could complete the work. The Commissioner, under his memorandum No. 26128 of 6th January 1902, granted to the contractors an extension of one month to complete the work, and it was completed within that period at a total cost of Rs. 4,280-5-10.

Renewing the corrugated iron sheets over the roof of Fruit and Vegetable Markets in the Arthur Crawford Markets.

36. This work, for which a sum of Rs. 10,500 were sanctioned in the Budget for 1900-01 and referred to in last year's Administration Report, has been completed at a total cost of Rs. 9,995-1-6.

37. Tenders were invited for a portion of the work sanctioned in the Budget for 1901-02. Only one tender from Messrs. Mahomedally Abdulally and Co. was received, the amount of which was Rs. 1,037 in excess of the Office estimate. The tenderers, however, having agreed to reduce their tender to the amount of this Office estimate, it was accepted by the Municipal Commissioner under his memorandum No. 27571 of 17th January 1902.

38. Order to commence the work was given to the contractors on 18th March 1902. The work was in progress at the end of the year.

39. The total expenditure passed up to 31st March 1902 has been Rs. 84.

Paving Cab Stands.

40. The work of paving cab stands sanctioned in the Budget for 1900-01, and referred to in the last year's Administration Report, has been completed at a total cost of Rs. 4,119-4-0.

41. Tenders were invited for similar work sanctioned in the Budget for 1901-1902, and the one of Messrs. Dewram Keshavji and Co. being the lowest of three tenders received, was accepted by the Municipal Commissioner under his memorandum No. 17425 of 27th September 1901.

42. Order to commence the work was given to the contractors on 27th November 1901. According to the conditions of contract work should have been completed on 27th March 1902. The contractors, however, were unable to do so, and it was in progress at the end of the year under report.

43. The total expenditure passed up to 31st March 1902 has been Rs. 976.

Construction of a public Fountain on the reclaimed portion of Cawasji Patel Tank.

44. The construction of this fountain was sanctioned by the Corporation under their Resolution No. 1540, dated 9th May 1901, the cost thereof being met from the donation of Rs. 6,000 for its construction and maintenance made by Bai Javerbai, widow of Mr. Narsidas Devidas.

45. Tenders were invited, and that of Messrs. Dewram Keshavji and Co. being the lowest of three tenders received, was accepted by the Municipal Commissioner under his memorandum No. 20269 of 24th October 1901.

46. Order to commence the work was given to the contractors on 13th December 1901, and it was in progress at the end of the year under report.

47. The total expenditure passed up to the 31st March 1902 has been Rs. 210-4-9.

Disposal of Town sweepings in the City.

48. The construction of the bund round the marsh or "khajan" of Deonar for shutting out the sea water mentioned in the last Administration Report was completed on 15th December 1901 at a total cost of Rs. 47,453-6-5.

49. The additional work of protecting the outer slope of the bund with rubble against the action of the tides was sanctioned by the Commissioner under his No. 1890 of 21st April 1902 at an estimated cost of Rs. 4,460.

50. Order to commence this work was given on 12th March 1902 to the contractors, Messrs. Sittaram Laxman & Co., and it was in progress at the end of the year under report.

Burial Grounds at Narielwadi.

51. The work of preparing burial grounds for different sects of the Mahomedan Shia community at Narielwadi was in progress at the end of the year under report.

52. The total expenditure passed up to 31st March 1902 has been Rs. 1,37,911-10-6.

Extension of the Christian Cemetery at Sewri.

53. The extra works referred to in the last Annual Report were completed during the year under review.

54. The total expenditure up to 31st March 1902 has been Rs. 72,109-6-2.

C.

DRAINAGE WORKS, SPECIAL BRANCH.

Works completed during the previous years, but the accounts of which were not closed up to the end of the year under report.

Colaba and Umerkhadi Sewerage Works.

55. In the previous year's report it was stated that the suit filed by Messrs. Bulkley & Co. against the Municipality came to an end, and their appeal having been finally dismissed, they cannot appeal to the Privy Council as the case is time-barred.

56. The costs on both sides have been finally taxed by the Commissioner of the High Court. Under the final taxation the costs of appeal and of suit due from Messrs. Bulkley & Co. to the Municipality is Rs. 16,296-6-0 in all. Messrs. Bulkley & Co. have made offers for a compromise from time to time through their Solicitors, Messrs. Craigie, Lynch and Owen, but all these offers have been rejected by the Standing Committee.

Works in progress at the beginning of the year under report and completed during that year, but the accounts of which were not closed.

MACHINERY FOR THE PAREL, &c., SECTIONAL SEWERAGE DISTRICTS.

57. Contractors—Messrs. Hughes and Lancaster, by their Agents and Attorneys, Messrs. Richardson & Cruddas.

58. As stated in the previous year's report all the machinery was supplied and erected complete last year, and it was taken charge of on the 1st May 1901.

59. As the laying of the air-mains and sewage mains and ejectors, and ejector chambers, &c., in connection with the Mazagon Sectional District was included in this contract, the expenses incurred on account of these works were debited under one head, *viz.*, "Machinery for Sectional Sewerage Districts." The total expenditure on each of these works has now been allocated.

60. The actual expenditure incurred on machinery for Sectional Sewerage Districts is as follows :—

Establishment	Rs.	78,026	4 10
Contingencies	„	30,276	5 8
Air-compressing Machinery	„	3,18,229	14 0
Dynamo	„	5,749	0 0
Dynamo-house	„	894	7 3
Engine-house, &c.	„	72,770	0 6
Compound wall	„	1,685	6 10
Land...	„	9,452	2 0
Air-mains	„	1,82,003	0 0
Sealed Sewage Mains	„	33,353	0 0
Travelling Crane	„	4,115	0 0
	Rs.	7,31,554	9 1

61. The actual expenditure incurred on Mazagon Sectional District is Rs. 3,52,847-10-1, the details of which have been given in the report for that district.

62. These accounts have been submitted to the Commissioner through the Chief Accountant. They are, however, awaiting final adjustment, as it is necessary to obtain the sanction of the Corporation to the excess on certain items being met from the savings on the other items.

MAZAGON SECTIONAL SEWERAGE WORKS.

These works were completed in February 1901.

63. The expenditure on account of air-mains and sealed sewage mains, the ejectors and ejector chambers, &c., in this district was included in the previous reports under the heading of "Machinery for the Parel, &c., Sectional Sewerage Districts," as the works for both these districts were included in the same contract. The final accounts for each district have now

been prepared, and the total expenditure for this district has amounted to Rs. 3,52,847-10-1 as detailed below :—

Pipe Sewers	Rs.	1,55,655	15 3
Ejectors with ejector stations	„	1,05,958	0 0
Vent Shafts	„	6,606	0 0
Air-mains	„	4,003	4 0
Sealed Sewage Mains	„	48,531	0 10
Establishment	„	24,672	4 5
Contingencies	„	1,997	7 6
	Rs.	3,47,423	15 10
Add advances on account of initial cost of establishment adjusted	„	5,423	10 3
	Rs.	3,52,847	10 1

WORKS IN THE CONSTRUCTION OF A STORM-WATER DRAIN IN TARDEO ROAD.

CONTRACTORS—MESSRS. ESUFALLI ABDULALLI & Co.

64. The contract period expired on 20th April 1901. The work was completed in December last.

65. There were many difficulties in carrying out this work and much water was met with all the way along; for the sub-soil water of the eastern slope of Khambala Hill drained into the excavation.

66. In the original estimate for the excavation of the seaward channel and the tidal flap chamber, a quantity of 260 brass was entered as rock.

67. Mr. Smith anticipated only rock in this channel and provided in the estimate for a very narrow cutting. No rock of any kind was, however, met with, and the material turned out to be a mixture of mud, sand and boulders. It was therefore decided to make the channel not less than 30 feet in width for the greater portion of its length.

68. Several extra works had to be executed owing to the alterations in plan of the outfall works, the overflow connection between the Tardeo storm-water drain and the existing Arthur Road drain, the provision of the flap pipes and miscellaneous works in the construction of pipe, drains, &c., crossing the storm-water drain.

OUTFALL WORKS.

69. These works were the subject of considerable discussion between Mr. Smith, the Municipal Commissioner, and the late Mr. Santo Crimp. There is a part of Tardeo Road which is below high water spring tide level, and under the original plan, if the outfall works which include the tidal flaps had in any way failed at the time of spring tides, a portion of this road and adjoining compounds would have been under water; and this actually happened on one occasion when the temporary dam at the outfall works was washed away and much damage was caused to the property belonging to the Alliance Mill, who had filed a suit against the Municipality and the contractors for compensation for the damage caused to their property.

70. The final decision come to by Mr. Santo Crimp was that the outfall works should be so altered that when the doors were closed they could be kept in position by extra gearing, &c. This necessitated not only extra chains and gearing, but also an enlargement of the whole of the work, including an extra chamber.

OVERFLOW CONNECTION.

71. Another proposal in connection with the prevention of flooding suggested by Mr. Santo Crimp and agreed to by the Commissioner and Mr. Smith was the construction of an overflow connection between the Tardeo Road storm-water drain and the old Arthur Road storm-water drain opposite the Petit Mills.

PROVISION OF FLAP PIPES.

72. Another proposal formulated by Mr. Santo Crimp in connection with the storm-water drains generally was the placing of flap pipes in the manholes over drains to allow the sub-soil water to find its way into the drains.

73. Ninety-two such flaps were fixed in the Tardeo Road drain.

74. On the 19th April 1901 the north end of the west side of the temporary bund, constructed by the contractors around the mouth of the drain, was washed away by the high tide, in consequence of which the sea water rushed into the drain and caused considerable damage to the works. As there was a flap in the drain the water escaped out of it and flooded the roads and the compounds of several premises, including those of the Alliance Cotton Manufacturing Co., who, through their Solicitors, Messrs. Roughton and Byrne, claimed from the Municipality Rs. 11,000 for damages sustained by them. After some correspondence on the subject between this office, the plaintiffs' Solicitors and the contractors, the Company filed a suit against the Municipality and the contractors. The case was, however, settled outside the Court, the contractors having come to an understanding with the plaintiffs.

75. The total expenditure incurred on the works is as detailed below :—

	Rs.	a.	p.
Establishment	12,847	6	3
Contingencies	2,448	0	3
Road Repairs	8,154	0	0
Works	1,24,691	12	2
Total ..	1,48,141	2	8
Less—Credit by sale of Contract Forms	130	0	0
Total ...	1,48,011	2	8

Works in progress at the beginning of the year under report, but not completed during that year.

FERGUSSON ROAD AND CHINCHPOKLI SECTIONAL SEWERAGE WORKS.

76. This work comprises—

(*a*) Laying pipe sewers with manholes and flush tanks.
(*b*) Ejectors, cast-iron tubbing and brick chambers.
(*c*) Air-mains and sealed sewage mains.
(*d*) Vent shafts on the Shone System.

(*a*) Messrs. Deoram Keshavji & Co. are the contractors for the works under this head. In November last they made a proposal to finish the whole of their works before the setting in of the monsoon if a bonus was given to them. The Commissioner decided that if they finished the whole of their works before the end of April at the latest, he would be prepared to represent their claim for bonus for the favourable consideration of the Corporation. The contractors, however, have been unable to finish the work by the time proposed by the Commissioner, and they have filled in the incomplete trenches.

(*b*) As stated in the previous year's report a definite tender for these works was received from Messrs. Richardson and Cruddas, Agents of Messrs. Hughes and Lancaster. This tender was accepted by the Standing Committee in their Resolution No. 2589, dated 12th June 1901, and the contract was executed on the 10th January 1901. This contract also includes ejectors, &c., for the Parel Sectional Sewerage District. The total amount sanctioned for works in both these districts under the Standing Committee's above Resolution is Rs. 2,12,400.

77. The work is progressing satisfactorily.

(*c*) As stated in the previous year's report this work has been entrusted to Messrs. Marsland, Price & Co. Their contract includes also works in air-mains and sealed sewage mains for the Parel Sectional District.

78. The work is progressing in a satisfactory manner.

(*d*) The work mentioned in this item is still under consideration, but arrangements have been made for providing a vent shaft at each of the ejector stations in this as well as in the Parel District. The contract for the supply and erection of these vent shafts has been let to Messrs. Alcock, Ashdown & Co., and the work is in progress.

79. The total expenditure incurred on all these works to the end of the year was as follows :—

	Rs.	a.	p.
Establishment	18,030	5	6
Contingencies	1,005	13	3
Road repairs	4,983	5	7
Pipe sewers, &c.	60,817	8	3
Air-mains, &c.	15,761	3	6
Ejectors, &c.	40,816	2	6
Total...	1,41,414	6	7
Less—Credit by sale of Contract Forms ...	40	0	0
Total ...	1,41,374	6	7

PAREL SECTIONAL SEWERAGE WORKS.

80. This work comprises—

(*a*) Pipe sewers with manholes and flush tanks.
(*b*) Ejectors, brick chambers, &c.
(*c*) Air-mains and sealed sewage mains.
(*d*) Vent shafts on the Shone System.

(*a*) As stated in the previous year's report the contractors for these works are Messrs. Ali Mahomed Kasam & Co. They have been proceeding with the works very satisfactorily.

81. On the 31st May of 1901 they had completed two-fifths of the whole of their work.

82. On the 18th October they submitted a proposal that if a bonus were given to them they would undertake to complete the whole of their work before the setting in of the monsoon of 1902, that is, 14 months before the contract period which expires on 25th July 1903. By the proposed completion of the works so much in advance of the contract time, the advantage which the City could have derived was that sewage, which now in so many parts of this district flows either on to land or into side drains, could have been taken up at once into the sewers, and the Municipality could have saved about Rs. 12,310 on the grant for establishment.

83. On these considerations the proposal was submitted to the Commissioner with the recommendation of the payment of a bonus of Rs. 7,000 to the contractors if they finished the work before 31st May 1902. The Commissioner, having approved of the proposal, recommended it to the Corporation for their acceptance. It was accepted by that Body in their Resolution No. 9466, dated 19th November 1901.

84. The contractors, however, have not been able to finish the work by the date agreed upon.

(*b*) The works under this head are included in the contract of Messrs. Richardson and Cruddas as Agents of Messrs. Hughes and Lancaster for similar works in the Fergusson Road and Chinchpokli Sewerage District.

(*c*) The works under this head are included in the contract of Messrs. Marsland, Price & Co. for similar works in the Fergusson Road and Chinchpokli Sectional Sewerage District.

(*d*) The work under this head is still under consideration, but as stated above arrangements have been made to provide a vent shaft at each of the ejector stations in this district.

85. The expenditure incurred to the end of the year on all these works was as follows :—

	Rs.	a.	p.
Establishment	21,933	7	9
Contingencies	2,652	0	8
Road repairs	7,461	7	2
Pipe sewers, &c.	1,36,918	4	10
Air-mains, &c.	20,754	4	9
Ejectors, &c.	56,559	0	0
Total...	2,46,278	9	2
Less—Credit by sale of Contract Forms	140	0	0
Total...	2,46,138	9	2

Works commenced but not completed during the year under report.

CONSTRUCTION OF CATCHPITS ON PIPE SEWERS AND OVOID SEWERS.

86. The grants sanctioned for the works are detailed below :—

	Rs.
Tidal flap or flushing door for the ovoid sewer	3,000
17 catchpits on pipe sewers	27,000
7 Do. on ovoid sewers	43,700
Total...	73,700

87. The work of fixing the tidal flap is under the supervision of the Deputy Executive Engineer, Drainage, Ordinary Branch, that of constructing the catchpits is being executed under the supervision of the Deputy Executive Engineer, Drainage, Special Branch.

88. Tenders for the work were invited on the 27th September 1901.

89. The lowest tender, that of Messrs. Ali Mahomed Kasam & Co., amounting to Rs. 62,507·885 against the Office estimate of Rs. 70,700, including cost of road repairs, *viz.*, Rs. 1,315·500 and 10 per cent. contingencies and establishment Rs. 6,427·417, was accepted by the Standing Committee in their Resolution No. 9210, dated 6th November 1901. The contract was executed on 9th December 1901 and the work commenced on the 10th idem.

90. The expenditure incurred up to the end of the year under report was as follows :—

	Rs.	a.	p.
Establishment	992	0	0
Contingencies	734	9	5
Road repairs	53	6	10
Work	13,762	1	3
Total ...	15,542	1	6
Deduct—Credit on account of sale of Tender Forms...	20	0	0
Total ...	15,522	1	6

WORKS IN SIDE DRAINS IN NAIGAM CROSS ROAD AND IN GHORUPDEO ROAD.

91. Tenders returnable on 8th October 1901 were invited on the 27th September 1901.

92. The lowest tender, *viz.*, that of Messrs. Kuverji Vijpal and Ramchandra Dadaji, amounting to Rs. 4,963·112, was accepted.

93. The Office estimate for the work was Rs. 7,723·617 with Rs. 418·500 for road repairs, and Rs. 814·212 for 10 per cent. contingencies, &c., making up a total sum of Rs. 8,956.

94. The contract was executed on the 19th November 1901 and work commenced on the same date.

95. The total expenditure incurred up to the end of the year was as follows :—

	Rs.	a.	p.
Establishment	203	2	9
Works	2,476	4	8
Total ...	2,679	7	5
Less—Credit by sale of Contract Forms	35	0	0
Total ...	2,644	7	5

WORKS IN OVOIDING SIDE DRAINS ON MALABAR HILL.

96. These works comprise the construction of an ovoid drain in a portion of Walkeshwar Road.

97. The construction of an ovoid drain in Dungarsi Road.

98. Do. do. in Narayan Dabholkar Road.

99. Do. do. in Nepean Sea Road.

100. Tenders returnable on 8th October 1901 were invited on 27th September.

101. The lowest tender, *viz.*, that of Messrs. Kuverji Vijpal and Ramchandra Dadaji, amounting to Rs. 6,243·350, was accepted.

102. The office estimate for the works was Rs. 8,450·050 with Rs. 637·500 for road repairs and Rs. 908·755 for 10 per cent. contingencies, &c., making a total sum of Rs 9,996.

103. The contract was executed on the 28th day of November 1901, and order to commence the work was given on the following day.

104. The total expenditure incurred up to the end of the year was as detailed below :—

	Rs.	a.	p.
Establishment	350	8	11
Work	4,117	13	6
Total ...	4,468	6	5
Less—Credit by sale of Contract Forms	25	0	6
Total ...	4,443	6	5

Works sanctioned but not proceeded with or postponed for want of funds or other reasons.

SCHEME FOR SUBSOIL AND SURFACE DRAINAGE.

105. The work comprises—

1. Channel No. 1 with seaward channel and new sluices.
2. Channel No. 2 to DeLisle Road.
3. Purchase of land alongside Channels Nos. 1 and 2.
4. Bund alongside open Main Drain.
5. Drain in Arthur Road and Gilder Street.

106. In the previous year's report it was stated that as the proposed route of Channel No. 1 would cut off all tidal communication from Mahim Bay at a point north of Cleveland Bundar, Government were requested to pass an Act extinguishing all tidal rights and rights of navigation at that point. In compliance with this request a bill has now been introduced in the Legislative Council. This bill is now under the consideration of a Select Committee.

Colaba and Love Grove Air Compressor Stations.

THE COLABA AIR COMPRESSOR STATION.

107. The machinery at the Compressor Station and the several Ejector Stations worked satisfactorily during the year.

108. During the month of May the 12-inch pipe sewer on the Colaba Road between Wodehouse Cross Road and Manhole No. 48-14 was opened up and repaired, and the sub-soil leakage into this line, which in previous monsoons had surcharged No. 3 Ejector Station, was thereby greatly reduced.

109. The total quantity of sewage lifted during the year amounted to approximately 285 million gallons, against 294 million gallons in 1900-1901. The total number of revolutions run by the compressor engines was 36,039,714 against 35,839,565 in 1900-1901.

110. The following figures show the total quantity of coal of different descriptions consumed during the year with their average rate per ton :—

Description of Coal.	Tons.	Average Rate per ton.
		Rs. a. p.
Heilger's Anthracite	450	15 6 8
Desharghur Bengal	320	15 8 0
Wilson's South Yorkshire	250	19 8 5
Bannerji's Navigation	100	15 12 0
Total ...	1,120	

111. The average rate per ton for all of these descriptions was Rs. 16-6-2 against Rs. 18-4-3 in the previous year.

112. Owing to the insufficiency of the grant for coal a transfer of Rs. 3,000 had to be obtained from the coal grant for the Love Grove Compressor Station. This transfer was sanctioned under the Standing Committee's Resolution No. 9367 of 13th November 1901.

113. Eight sets of Buckley's Patent Piston rings were purchased from Messrs. Macbeth Brothers & Co., at a rate of Rs. 608 to replace the old pattern Ramsbottom rings in the steam cylinders of the engines. The cost was met from the extra provision of Rs. 1,000 entered in the Budget for the purpose.

114. The work of making new pistons to suit the different pattern rings was taken in hand by the Workshops on receipt of the necessary drawings from the makers of the rings, but there was not sufficient time to complete any of them before the close of the year.

115. Under the Standing Committee's Resolution No. 11563 of 12th February 1902, sanction was given to the transfer of Rs. 180 from the grant for Contingencies and Stores to the grant for New Works, Item No. 22, Minor Unforeseen Works, for the extension of the 3-inch fire service main to the top of the overhead feed-water tank.

116. This tank was originally provided with a 1½ inch water-connection which, owing to the restricted hours of high pressure supply, was not large enough to fill the tank daily. The work was not completed before the close of the year.

117. It was found during the month of January that an excessive leakage of air was taking place from the air-mains in No. 4 District, and after further inspection and testing by means of oil of peppermint injected into the pipe, the leak was located opposite the Colaba Post Office and was found to be due to a fracture of the 3-inch main.

118. The electric tell-tales at the ejector stations, for which a rental of Rs. 475 was paid annually to the Bombay Telephone Co., were removed by the Company on January 22nd, 1902.

119. These tell-tales were very useful when the ejectors were first started for giving notice at the Compressor Station of any stoppages, but as the ejectors became better understood, stoppages were of rare occurrence, and it was considered that a night inspection in addition to the usual day inspection would answer all requirements.

120. For the purpose of the night inspection it was proposed in the Budget for 1902-1903 that the pay of two of the coal men at the station should be increased from Rs. 10 to Rs. 12, and this was sanctioned.

121. During the absence of Mr. Hewett on three months' privilege leave from 19th August to 18th November 1901, Mr. W. G. Mayers, 1st Engineer, Love Grove Pumping and Compressor Stations, supervised the working of this station.

THE LOVE GROVE AIR COMPRESSOR STATION.

122. This new Air Compressor Station, for the extension of the Shone System of sewage, adjoins the Love Grove Pumping Station. It contains two triple expansion condensing engines, indicating approximately 220 horse-power each on full load and two engines each of 110 indicated horse-power, the whole forming by far the largest installation of compressing machinery yet erected for lifting sewage on the Shone System.

123. Each of the larger size of engines is capable of compressing 2,466 cubic feet of free air per minute to a pressure of 23 lbs. per square inch above atmospheric pressure. The small engines can each compress half the above quantity.

124. The two larger engines working together, or one larger and the two smaller-sized engines working together are capable of lifting approximately 4,026 gallons of sewage per minute to heights varying from 17 feet to 44 feet dynamic head.

125. Steam is supplied by three Babcock and Wilcox boilers of latest design, made for a working pressure of 200 lb. per square inch.

126. The erection of the machinery was completed early in March 1901, and after the engine had been run for some time under steam and the necessary adjustments made, the contract trials were taken in hand on the 23rd April and were completed on 1st May.

127. The results of the trials were, on the whole, satisfactory, and the machinery was taken over from Messrs. Richardson and Cruddas on the 1st May.

128. Of the two ejector stations at Mazagaon, which were under erection at the same time as the compressor machinery, "No. 1 Mazagaon" contains two ejectors of 1,200 gallons capacity each, and it is situated in Church Street opposite the Roman Catholic Church. "No. 2, Mazagaon" is situated at the junction of Magazine Street and the Victoria Extension Road, and contains two ejectors, each 250 gallons capacity.

129. Shortly after the completion of No. 1 Station it was found that the C. I. tubbing or lining which forms the ejector chamber was cracked in several places in the upper ring of plates and roof plates. It was at first contended by the makers that these cracks were due to blasting on the drainage works in the neighbourhood, but as another crack developed some time after all blasting was completed, this contention had to be withdrawn, and there now appears to be no doubt that the defects were due to an insufficiently strong roof.

130. The defective plates are to be renewed by the contractors, but the work cannot be taken in hand until after the close of the monsoon of 1902.

131. The ejector commenced regular day-working from the 1st October 1901. Owing to the small number of house connections completed up to the close of the official year, it was not necessary to work them at night.

132. Under their Resolution No. 9268 of the 19th November 1900, the Corporation sanctioned an expenditure of Rs. 5,749 for providing an electric light installation for the Compressor Station, the estimate including the provision of an engine and dynamo large enough for lighting both stations.

133. This latter provision was made to allow of the previously existing small engine and dynamo installed at the Pumping Station being done away with.

134. The new dynamo was supplied by Messrs. John Fleming & Co. at a cost of Rs. 1,200, and the engine, which was formerly in use for driving the blast of the Garlic Incinerator, was taken over from the Health Department at a valuation of Rs. 450. The fitting up of the installation was undertaken by the Municipal Workshops at a cost of Rs. 3,806-1-8, and the work completed in February 1902.

135. Three fire hydrants with the necessary water connections were laid during the year by the Water Works Department in the compound of the Compressor Station at a cost of Rs. 661-9-10, the amount being met from contingencies in the grant for the erection of a compound wall and other works in connection with the Station.

136. The scheduled establishment for working the Station was not fully engaged up to the close of the year on account of the engines not being required at night.

D

DRAINAGE WORKS, ORDINARY BRANCH.

LOVE GROVE PUMPING STATION.

137. The engines and pumps worked satisfactorily during the year.

138. The efficiency of the pumps as tested by monthly observations taken by the Drainage Staff showed an average of 89·92 per cent. or 1·34 per cent. higher than the previous year.

139. The combined total number of revolutions of all the engines during the year was 23,404,251 against 22,739,722 in the preceding year.

140. The total for the year under report is the highest yet recorded by the engines for a year's work.

141. The following table shows the total quantity of coal of different descriptions consumed during the year with their average rate per ton :—

Description of Coal.	Tons.	Average Rate.
		Rs. a. p.
Desharghar, Bengal	1,450	16 3 7
Conmon's Navigation	1,000	15 2 0
Heilger's Anthracite	900	15 4 2
Wilson's South Yorkshire	750	19 14 8
Heilger's Standard	500	15 0 0

142. The average rate per ton for all of these descriptions of coal was Rs. 16-4-11, and the average daily consumption was 12 tons, 12 cwts. and 6 lbs. against 10 tons, 17 cwts. 2 qrs. and 10 lbs. in the previous year.

143. In consequence of the increase in the coal consumption, which was due partly to the increase in the quantity of sewage to be lifted, and partly to leakage of steam past the engine pistons the coal grant of Rs. 57,000 was insufficient, and it was supplemented by a transfer of Rs. 18,000 sanctioned under the Corporation's Resolution No. 9886, dated the 25th November 1901.

144. The wear in the engine cylinders after nearly 9 years' night and day work is now sufficient to cause an appreciable wastage of steam, and the Repairs grant for the year under review having been increased by a sum of Rs. 2,500 for the purpose of re-boring the cylinders and fitting new pistons and rings to one engine. No. 3 engine was stopped in September and taken in hand.

145. The work of re-boring the six cylinders of these engines was entrusted to Messrs. Richardson and Cruddas at a cost of Rs. 635, and this Firm was also given the contract for the supply of six sets of Buckley's patent piston rings and springs at a cost of Rs. 910-0-0.

146. At the same time the manufacture and fitting of new pistons was taken in hand by the Municipal Workshops. The work was not completed before the close of the year.

147. The re-turning of the rams of No. 1 engine and the renewal of the ram bushes, which was taken in hand after the close of the S. W. Monsoon of 1900, as mentioned in the last year's report was completed in May 1901, and the engine worked almost continuously for the remainder of the year.

148. One thousand and four lbs. of Dermatine valve faces at Rs. 3-4-3 per lb. and 72 grey para rubber condenser valves at Rs. 3-4-0 each, were purchased during the year from Messrs. John Fleming and Co., at a total cost of Rs. 3,512-11-0.

149. Forty cast-steel pump valves and 40 hinge blocks were purchased from Messrs. Richardson and Cruddas at a cost of Rs. 1,120. They were obtained to replace similar valves made of cast-iron, in the top openings of the delivery valve frames of the pumps, which have always been subject to considerable wear and breakage. Several of the new valves were put in place during the year and they have worked satisfactorily up to the present time.

150. Eight solid-drawn brass tubes for renewing the sheathing of the pump rods were also purchased from the above Firm at a cost of Rs. 367.

151. Owing to the necessity of making the abovementioned purchases, the grant of Rs. 14,000 for Stores and Contingencies had to be supplemented by a transfer of Rs. 1,000. This transfer was sanctioned under the Corporation's Resolution No. 11652, dated the 13th February 1902.

152. The following changes in the Engineering Staff at the Station were made during the year :—

(*a*) On the transfer of Mr. Nasarwanji H. Karanjia, 3rd Engineer, to the Water Works Branch, Mr. Mancherji B. Masani was appointed in his place from March 1st.

(*b*) The services of Mr. G. H. Brenham, 1st Engineer, Love Grove Pumping Station, at Rs. 250 per month, were dispensed with from March 31st, and on the 9th April Mr. G. H. Mayers was appointed 1st Engineer of both the Love Grove Pumping Station and the Compressor Station at a salary of Rs. 350 per month rising to Rs. 400, by annual increments of Rs. 10 per month.

(*c*) Mr. Manchershaw T. Dastur was given the new appointment of 5th Engineer on Rs. 75 per month sanctioned in the Budget, from the 1st May, half of the salary being paid from the establishment grant of the Pumping Station and half from the Compressor Station.

(*d*) On the transfer of Mr. G. Biem, 4th Engineer, to the Water Works Branch, Mr. Manchersha T. Dastur was appointed 4th Engineer from the 1st October, and

(*e*) Mr. Hormazsha M. Modi was appointed 5th Engineer, *vice* Mr. Dastur, from the 24th October.

153. Mr. G. H. Brenham was granted 30 days' privilege leave from 1st to 30th March, and during this period Mr. S. R. Ghandi acted for him. Mr. Ghandi also held the acting appointment of 1st Engineer from the 1st April until Mr. Mayers' appointment on the 9th April.

154. Consequent on the bungalow belonging to Messrs. Tribhuwandas and Jagmohandas Varjivandas at Love Grove being required for the accommodation of the new Engineers appointed for the Compressor Station, the former tenant, Veterinary Lieut.-Col. J. Anderson, vacated it on the 9th April.

HOUSE DRAINAGE CONNECTIONS.

155. The street portions of the House Drainage connections carried out partly by Contractors, Messrs. Deoram Keshavji and Company, and partly departmentally were as follows :—

Name of the District.	Work done by Contractors Messrs. Deoram Keshavji and Company.		Work done Departmentally.		Total.	
	Number of Connections.	Amount.	Number of Connections.	Amount.	Number of Connections.	Amount.
		Rs. a. p.		Rs. a. p.		Rs. a. p.
General (New and old houses in various parts of the City) ...	657	13,774 12 11	24	653 10 5	681	14,428 7 4
Mandvi	106	1,966 13 10	1	1 4 0	107	1,968 1 10
Mugbhat	47	1,475 5 5	...	.....	47	1,475 5 5
Colaba	13	887 4 5	...	.....	13	887 4 5
Parel...	9	554 0 10	1	12 11 7	10	566 12 5
Khambala Hill	14	837 7 5	...	.....	14	837 7 5
Umerkhadi	1,120	23,531 14 0	3	42 0 0	1,123	23,563 14 0
Mazagaon	674	20,685 11 10	34	963 4 3	708	21,049 0 1
Fort	916	21,141 1 2	7	306 9 1	923	21,447 10 3
Market	401	12,144 12 6	...	.....	401	12,144 12 6
Girgam	2	261 13 0	...	.....	2	261 13 0
Khetwadi	31	1,304 9 2	...	.....	31	1,304 9 2
Fanaswadi	2	43 6 10	...	.....	2	43 6 10
Bhuleshwar	55	1,284 14 9	...	.....	55	1,284 14 9
Tarwadi	8	676 10 1	...	.....	8	676 10 1
Dhobi-Talao	7	227 13 1	...	.....	7	227 13 1
TOTAL	4,062	1,00,188 7 3	70	1,979 7 4	4,132	1,02,167 14 7

156. The construction of the following latrines and urinals was undertaken from the renewed grants for 1900-1901 and previous years :—

	LOCALITY.	Amount sanctioned.	Expenditure up to the end of the year.	REMARKS.
		Rs. a. p.	Rs. a. p.	
	LATRINES.			
1	Water-closet at Mint Road	618 0 0	512 0 3	Completed and accounts adjusted.
	URINALS.			
1	Single-chamber urinal at the junction of Sutar Chawl and Shaik Memon Street	361 0 0	270 4 4	Completed and accounts adjusted.
2	Six-chamber circular urinal at the junction of Trimbak Parashram Street and Falkland Road...	1,524 0 0	1,368 7 4	Do. do.
3	Four-chamber urinal on the pavement on the north side of the Framji Cowasjee Tank, Girgaum Road, including charges for removal ...	885 0 0	797 13 0	This urinal was removed soon after its erection in accordance with the Corporation Resolution No. 6554, dated 10th September 1900. Completed and accounts adjusted.
4	Shifting four-chamber urinal to Chinch Bandar Road	52 0 0	51 15 7	Completed and accounts adjusted.
5	Providing extra drainage arrangement to the urinal in the new position at Chinch Bandar Road	261 0 0	153 2 3	Do. do.
6	Putting up a water-tap and paving inside the urinal at Chinch Bandar Road	99 0 0	72 2 9	Do. do.
7	Single-chamber urinal at Abdul Rahiman Street ...	384 0 0	117 15 1	The construction of this urinal was stopped in accordance with the Municipal Commissioner's No. 16464 of 27th September 1900. Accounts adjusted.
8	Removing the old urinal and constructing a two-chamber urinal at Narayen Dhuru Street ...	548 0 0	493 14 3	Completed and accounts adjusted.
9	Four-chamber urinal on the footpath at Carnac Road between the Police Office and Gokuldas Tejpal Hospital and providing a corrugated screen wall to the same	938 0 0	773 13 10	Do. do.
10	Providing a corrugated iron screen wall to the newly built urinal between Police Office and Gokuldas Tejpal Hospital	81 0 0	62 6 4	Do. do.
11	Providing guard-stones to the Hopper at Valpakhadi	57 0 0	.....	Completed and accounts are being adjusted.
12	Two-chamber urinal at Mumbadevi Road and removing the existing one	577 0 0	.....	Do. do.
13	Laying 1" water-pipe to serve the urinal in Surat Street with a flushing tank...	780 0 0	3 4 10	Do. do.
14	Constructing two chamber urinal at the junction of Grant Road and Tank Street	484 0 0	8 1 2	Do. do.
15	Removing the old urinal and constructing a one-chamber urinal at Mumbadevi Road at the entrance of the Shri Girdhar and Mahakali Temples	339 0 0	2 10 7	Do. do.
16	Providing blue stone pavement with corrugated screen wall and the guard-stone to the urinal opposite the Australian Stores at Apollo Street.	131 0 0	.....	Do. do.
17	Constructing a four-chamber trough-pattern urinal at the junction of Shaik Budan Kamudin Street and Grant Road and removing the existing one	727 0 0	.....	Do. do.
18	Pulling down the existing urinal and constructing a four-chamber trough-pattern urinal in its place at Tantanpura Street	865 0 0	.....	In progress.

MANHOLES.

157. A grant of Rs. 2,000 was provided in the Budget for 1901-1902 for the construction of permanent manholes over drains.

158. Out of this grant 22 manholes were constructed departmentally at the following places :—

16 on the double-barrelled drain running from the Byculla Railway Station to the open water-course in Agripada,

1 at the junction of Bapty Road and Duncan Road,

1 at the junction of Bapty Road and Grant Road,

1 at the junction of Ardeshir Dadi Street and Falkland Road,

1 at the junction of Bapu Khote Street and Erskine Road,

1 at the junction of 1st Carpenter Street and Falkland Road, and

1 near the entrance of the gully between houses Nos. 18 and 20 in Kika Street.

159. The total cost of the work amounted to Rs. 1,597-1-8.

Providing seven square manholes on the Main Sewer between Shaik Memon Street and Kavasji Patel Tank.

160. A sum of Rs. 1,969 was provided for the work in the Budget for 1901-1902.

161. It was entrusted to the Chief Inspector of Drains in accordance with the Municipal Commissioner's No. 25, dated the 1st April 1901, and was completed towards the close of the year.

162. The certified expenditure for the work amounted to Rs. 1,340-7-8.

TIDAL FLAPS ON THE OVOID SEWERS.

163. The construction of the two tidal flaps referred to in the last Administration Report, *viz.*, one at Carnac Road and the other at Clerk Road, was completed departmentally in June 1901.

164. The construction of two more tidal flaps, *viz.*, one at the Ripon Road and the other at Mount Road, was undertaken departmentally and completed in February 1902.

165. The certified expenditure on account of the work amounted to Rs. 10,343-5-1 at the close of the year.

Construction of a covered storm-water drain in the line of the water-course between Gilder Street and Gilder Lane and covering it with dry rubble stone and earth work.

166. A grant of Rs. 8,270 was provided for the work in the Budget for 1901-1902.

167. Messrs. Ali Mahomed Kasam and Co.'s tender, being the lowest of the five tenders received, was accepted under the Standing Committee's Resolution No. 27, dated the 3rd April 1901.

168. Orders were given to the Contractors to start the work on the 12th April 1901, and it was completed by them within three months from the date of order in accordance with the terms of their contract.

169. The total cost of the work amounted to Rs. 6,521-2-1.

Removing and reconstructing part of the storm-water drain in Dhunji Street and constructing a drain in Grant Road for carrying the storm-water from Dhunji Street.

170. In the Budget for 1901-1902 two sums were provided, *viz.*, Rs. 9,211 for constructing a catch-pit on the main sewer at the junction of Grant Road and 10th Khetwadi Lane, and Rs. 5,022 for constructing another catch-pit on the main sewer near the Arthur Crawford Markets.

171. As provision for the same works was included in the grant of Rs. 43,700 sanctioned in the Loan Works Budget for the year for the construction of seven catch-pits on ovoid sewer

a sum of Rs. 12,390 out of the abovementioned two grants, aggregating Rs. 14,233, was (in accordance with the Corporation Resolution No. 8641, dated the 10th October 1901,) appropriated for carrying out the storm-water drainage work described above.

172. Messrs. Rasulkhan Mahomedkhan and Co.'s tender for the work, being the lowest of the seven tenders received, was accepted under the Standing Committee's Resolution No. 1115z, dated the 22nd January 1902.

173. Orders were given to the Contractors to start the work on the 18th February 1902, and they were given three months' time to complete it in accordance with the terms of their contract.

174. The work was in progress at the close of the year.

175. The certified expenditure for the work amounted to Rs. 27-7-11 at the close of the year.

Constructing nine water-gullies (five at Tardeo Road, two at Sleater Road, and two at the junction of Pedder Road and Tardeo Road).

176. As stated in the last Administration Report, this work was entrusted to Messrs. Dewram Keshavji and Co., Petty Work Contractors, and was in progress at the close of the year 1900-1901.

177. It was completed on the 26th May 1901 at a total cost of Rs. 1,049-12-5.

Cast-iron box with door and valve at the Worli Out-fall.

178. This work, which was in progress at the close of the last year, as stated in the Administration Report for that year, was completed under the supervision of the Assistant Engineer, Mechanical Branch, at a total cost of Rs. 2,751-2-0.

Night-soil depot at Arthur Road.

179. A grant of Rs. 7,000 was provided for the work in the Budget for 1901-1902.

180. Messrs. Rasulkhan Mahomedkhan and Co.'s tender, being the lowest of the three tenders received for the work, was accepted under the Standing Committee's Resolution No. 6634, dated the 28th August 1901.

181. Orders were given to the Contractors to commence the work on the 1st October 1901, and it was completed within three months from the date of order in accordance with the terms of the contract.

182. The total cost of the work including the charges on account of establishment, &c., amounted to Rs. 6,110-0-2.

Cleaning the open main drain.

183. A sum of Rs. 2,500 was provided for the work in the Budget for 1901-1902.

184. Mr. Bapu Satu's tender, being the lowest of the four tenders received, was accepted as per the Standing Committee's Resolution No. 322, dated the 17th April 1901.

185. The work was carried out by the Contractor within the stipulated time of six weeks.

186. The total cost of the work amounted to Rs. 1,160-10-11.

PUBLIC LATRINES AND URINALS.

Colaba Latrines.

187. The sites for the remaining two sets of latrines were not acquired up to the close of the year.

Walkeshwar Latrines.

188. The construction of the latrines was entrusted to the Petty Work Contractors in December 1901, but the work had to be stopped, as the Trustees of the Walkeshwar Temple claimed the land that was leased from the Government for the erection of the latrines. The matter was under inquiry and referred to the Municipal Solicitors for their advice at the close of the year.

Henry Road Latrines.

189. The total cost of constructing the latrines including the cost of erecting a roof over them amounted to Rs. 9,496-2-8.

190. Rs. 6,513-7-5 were contributed by the Port Trust as their share of the cost of the work, and the balance of Rs. 2,982-11-3 was met from the grant for latrines and urinals.

DRAINAGE SLUICES.

191. The sluices and penstocks, which are in charge of the Drainage Branch at the following places, were worked satisfactorily during the year with the usual staff :—

(*a*) Dharavi.
(*b*) Worli.
(*c*) Love Grove.
(*d*) Flats.
(*e*) Bellasis Bridge.
(*f*) Queen's Road.
(*g*) Carnac Road.
(*h*) Mint Road.

192. The expenditure incurred for the maintenance of the sluices did not exceed the Budget provision.

193. The work of renewing four pairs of sluice gates at the Love Grove sluices was completed under the supervision of the Assistant Engineer, Mechanical Branch, in February 1902 at a total cost of Rs. 7,313-5-8.

194. The amount sanctioned for this work was Rs. 7,345-0-0.

MISCELLANEOUS.

195. The works in connection with repairs and alterations to, and flushing and cleaning of sewers and drains generally and making small additions thereto, were carried out under the supervision of the Chief Inspector of Drains.

196. Daily reports in the prescribed form showing the number of sewer scrapers and the work done were submitted by the Chief Inspector.

197. 4,003 notices under various Sections of the Municipal Act were served on house-owners to provide sufficient means of effectual drainage and remedy defects in existing drainage arrangements. Out of these, 765 notices were complied with, and action in respect of 3,238 notices was pending at the close of the year.

198. 1,976 summonses were issued against house-owners for non-compliance with notices. Out of these, 549 summonses were complied with, and 1,427 summonses were withdrawn under the various circumstances.

Sanitary arrangements of Health Camps, Plague Hospitals, &c.

199. Sixty-one works in connection with the sanitary arrangements of the various Health Camps, Observation Camps and Plague Hospitals were carried out by the Drainage Branch under supervision of the Chief Inspector of Drains.

Stores at Bellasis Bridge Depot.

200. Stoneware pipes for the Special Drainage Department were supplied by Messrs. Richardson and Cruddas and Messrs. Marsland, Price and Co.

201. Stoneware pipes and fittings for house connection works were supplied by Messrs. Garlick and Co., Messrs. Richardson and Cruddas, and Messrs. Sorabji Shapurji and Co.

202. The value of the pipes and other special fittings, such as traps, junctions, bends, &c., received during the year from 1st March 1901 to 28th February 1902, amounted to Rs. 48,002-8-0, and of those issued to the Contractors and sold to plumbers, &c., during the same period amounted to Rs. 66,019-3-4.

Cast-iron and galvanised sheet iron fittings, &c.

203. Cast-iron manhole frames and covers and other castings for ordinary drainage and miscellaneous works were supplied by Messrs. Sorabji Shapurji and Co., the Casting Contractors, for the year.

204. Cast-iron pipes and fittings for house-connection works were supplied by Messrs. Garlick and Co.

205. The value of the cast-iron articles received and issued from 1st March 1901 to 28th February 1902 amounted, respectively, to Rs. 3,554-3-4 and Rs. 14,809-12-11.

Cement.

206. 8,300 casks of cement were purchased during the year as follows :—

1,500 casks of the "Hand Brand," manufactured by Messrs. Gillingham Sons of London, from Messrs. W. & A. Graham and Co., at Rs. 8-9-6 per cask, as per Standing Committee's Resolution No. 1088, dated the 1st May 1901, and contract dated the 20th May 1901.

250 casks of the "Hand Brand," manufactured by Messrs. Gillingham and Co. of London, from Messrs. W. & A. Graham and Co., at Rs. 8-9-0 per cask, as per Standing Committee's Resolution No. 2431, dated the 5th June 1901, and contract dated the 22nd April 1901.

250 casks of the "Invicta Brand," manufactured by the Portland Cement Co. of West Kent, from Messrs. Turner, Hoare and Co., at Rs. 8-8-0 per cask, as per Standing Committee's Resolution No. 2431, dated the 5th June 1901, and contract dated the 1st May 1901.

300 casks of the "Rhinoceros Brand," manufactured by Messrs. Martin, Earle and Co. of Rochester and London, from Mr. John E. Minnitt, at Rs. 8-8-0 per cask, as per Standing Committee's Resolution No. 9347, dated the 13th November 1901, and contract dated the 15th November 1901. (Out of this quantity, 12 casks of the "Hand Brand," manufactured by Messrs. Gillingham and Co. of London, were accepted in accordance with the Municipal Commissioner's No. 31044, dated the 22nd February 1902.)

6,000 casks of the "Pyramid Brand," manufactured by Messrs. Knight, Beven and Sturge of London, from Messrs. Turner, Hoare and Co., at Rs. 8-2-0 per cask, as per Standing Committee's Resolution No. 9921, dated the 27th November 1901, and contract dated the 9th December 1901.

207. The value of cement received and issued from 1st March 1901 to 28th February 1902, respectively, amounted to Rs. 63,480-8-2 and Rs. 42,292.

Value of stores on hand and of receipts and issues.

208. The value of stores on hand on the 1st March 1901 including the amount of profit (*viz.*, Rs. 6,833-0-4) realized by the sale of articles in the year 1900-01 was Rs. 3,07,607-7-9, that of the receipts and issues during the year 1901-02 amounted, respectively, to Rs. 1,15,037-3-6 and Rs. 1,23,121-0-3, and the value of stock in hand at the close of the year was Rs. 2,99,523-11-0.

E

WATER WORKS.

TANSA LAKE AND DEPENDENT WORKS.

209. The rainfall for the year 1901 was 96·15 inches, that for the years 1899 and 1900 being 40·07 and 104·60 inches, respectively. The number of days on which it was 3 inches or over was six, and those on which it was 1″ to 3″ numbered twenty-five. The lowest level of the Lake during the year was 394·56 T. H. D. on the 12th June, the lowest of the previous 3 years being 393·56 T. H. D.

210. The total quantity of water received in the Lake including that which overflowed by the waste weir, *viz.*, 24,088 million gallons, was 35,054 millions of gallons or 47·8 per cent. of the rainfall. This figure is based on the assumption that the rainfall as registered was uniform over the whole drainage area, as however it was probably fully 10 per cent. greater on the surrounding hills, the actual percentage received was probably not more than 43 per cent. This remark applies with equal force to the returns from the other Lakes.

211. The quantity of water drawn from the Lake from the 1st October 1900 to June 1901 was 8,596 million gallons or 35·4 million gallons per day. Of this, about 5,841 million gallons were delivered into the aqueduct, the balance being lost by evaporation.

212. The quantity of water which reaches the gauge weir at Ghátkoper, where the supply main starts, is about 21½ million gallons per day. The balance is lost by leakage, evaporation, or discharged at overflow weirs.

213. Sections were taken last year and again this year to ascertain if it were necessary to undertake protective works to guard the foundations of the dam from the effects of the denudation of the ground at the back of the dam caused by the overflow in the monsoon. They show, however, that at least, as far as last year's monsoon was concerned, this is practically stationary. Sections will in future be taken each year to guard against possible danger from this source.

214. On the morning of the 29th November the Tansa duct gave way at mile 22-2530. The permanent supply was temporarily restored on the 4th December, and water was again turned on in the duct on the 25th December 1901.

215. The stoppage of the supply while repairs were in progress was taken advantage of to repair the duct between Bhandup and Thana.

216. Unfortunately a leak, leading to the loss of about 200,000 gallons a day, near mile 38, has again broken out at a new place after having been stopped for six months; a fresh effort will be made to deal with it during the monsoon.

217. During the year under report there was no burst in the 48″ main.

218. Most of the remaining jungle along the line of aqueduct in Keshali Division has been cleared during the year, and the timber cut down is being sent into Bombay, in carts which have taken out stores, for use in the Maintenance Branch, thus saving much of the expenditure on firewood.

VEHAR LAKE AND DEPENDENT WORKS.

219. The rainfall for the year 1901 was 75·58 inches; those for the two previous years 1899 and 1900 were 35·26 and 72·96 respectively.

220. The number of days in the year on which the rainfall was 3″ or over was three, and the number of days on which it was 1″ to 3″, twenty-one.

221. The total quantity of rain which fell on the whole drainage area of 3,900 acres from the 1st June to 1st November was about 6,650 million gallons; of this, about 5,053 million gallons reached the Lake, or about 76 per cent. of the total rainfall.

222. The quantity of water received into Vehar Lake from Tansa duct was 16 million gallons, and that by overflow from Tulsi Lake about 287 million gallons.

223. The quantity of water drawn from the Lake between 1st October 1900 and 1st June 1901 was 3,066 million gallons, or an average of 12·6 million gallons per day; whilst that between 1st October 1901 and 31st March 1902 being 2,419 million gallons or 13·3 million gallons per day including evaporation and leakage.

224. The evaporation from the Lake during the seven dry months was as follows :—

1901	April	= 3″·2
	May	= 5″·7
	November	= 2″·9
	December	= 3″·0
1902	January	= 3″·0
	February	= 2″·7
	March	= 5″·5
	Total...	126 inches in seven months of 212 days.

This gives an average of ·122 inch per day, or about 3·2 million gallons on the mean Lake area of 50,000,000 square feet for the period.

225. Owing to the low level of water in the Lake, the Vehar filters were closed on the 26th April 1901. They were started again on the 14th July 1901. Since then they were working all throughout the year, except on the 29th July, 30th November to 4th December, and 13th to 16th February.

226. During the year there was no burst outside Bombay on the Vehar 24″ main, but there were two bursts near Kurla on the 32″ main.

227. A contract is about to be let for replacing 1½ miles of the 32″ main near Kurla with 48″. Tenders have been invited and are returnable on 15th July 1902.

TULSI LAKE AND DEPENDENT WORKS.

228. The rainfall for the year 1901 was 93·62 inches, that for the years 1899 and 1900 being 44·80 and 93·02 inches respectively.

229. The number of days on which the rainfall was 3″ or more was nine, and that on which it was 1″ to 3″ was eighteen.

230. The total quantity of rainfall on the whole drainage area of 1,700 acres was 3,611 million gallons. Of this, about 2,329 million gallons reached the Lake. This forms 64·5 per cent. of the total rainfall.

231. The quantity of water drawn from the Lake from the 1st October 1900 to 10th June 1901 was 1,234 million gallons, or 4·9 million gallons per day; that from the 1st October 1901 to 31st March 1902 equal 1,092 million gallons, or 6 million gallons per day including evaporation and leakage.

232. The evaporation in the Lake from April 1901 to March 1902 was as follows :—

1901	April	= 2″·9
	May	= 4″·4
	November	= 2″·9
	December	= 4″·3
1902	January	= 4″·5
	February	= 4″·0
	March	= 4″·9
	Total...	27″·9

233. This gives an average of about ·131 inch per day equivalent to ·82 million gallons on the mean Lake area of 12,000,000 square feet.

234. During the year there were three bursts on the Tulsi line, two of which were due to the action of the scraper which was passed through the main in February, and, which in addition to improving the quality of the water, has increased the total delivery by about 12½ per cent.

BHANDARWADA (JOHN HAY GRANT) RESERVOIRS AND FILTERS.

235. Nothing has yet been done to stop the leakage from filters Nos. 3, 4 and 6, the sanction of the Corporation not having as yet been accorded to the proposal to asphalte them; the leakage from them, therefore, continues unabated. The leakage through the vaulting below filters Nos. 7, 8 and 9 into the tank below continues to grow worse, and in the case of No. 8 it is so excessive that holes have been washed through the filtering materials to such an extent that it hardly fulfills any useful function and is only now utilized when there is an excess of water to be disposed of. The bottom of all these filters should be asphalted when those above-mentioned have been done.

MALABAR HILL RESERVOIR AND FILTERS.

236. Filter No. 4 was sufficiently charged with sand to enable it to be brought into use in June. All the sand in filter No. 1 has been removed and washed, and all the sand which had been removed from the other filters when cleaned at intervals has been washed and replaced.

237. Owing to repeated failures on the part of the Contractors to make one of the special castings required for the bye-pass connection to the filters both it and the erection of the screens in the inlet well have been delayed, but this difficulty will soon be surmounted.

238. Contract papers are being prepared for the new filter beds and reservoir sanctioned by the Corporation, and the contract will shortly be issued.

Supply and Distribution.

239. A 4″ main was laid to supply new buildings erected on the Improvement Trust, Wellington Lines Estate.

240. A contract is about to be let for providing and laying 1½ miles of 48″ main near Kurla above referred to, together with a 32″ and 22″ steel main connecting the 48″ Tansa main with Malabar Hill *via* Arthur Road, Tardeo, Forjett Street, &c., and an 18″ steel main for half the distance between that main and Bhandarwada, the remaining moiety having been decided by the Acting Municipal Commissioner to be laid with cast-iron pipes.

241. A contract will also be let shortly for the supply of cast-iron pipes for the following mains :—

18″	Kalachowky to Bhandarwada (half distance).
15″	from 24″ Vehar Main, Parel, Bhoiwada, to Parbhadevi Road.
12″	Sewri Road (part).
10″ and 9″	Grant Road.
9″	Reay Road.
9″	DeLisle Road (part).
9″	Tardeo Road (part).
4″	Sewri Khera and replacing 3″ by 4″ in B Ward.
6″	on New Road of City Improvement Trust of Hornby Road scheme.

List of bursts repaired during the year 1901-02.

4	bursts	on	2″	pipes.
151	,,	,,	3″	,,
46	,,	,,	4″	,,
4	,,	,,	5″	,,
4	,,	,,	6″	,,
5	,,	,,	7″	,,
3	,,	,,	8″	,,
1	,,	,,	9″	,,
2	,,	,,	10″	,,
1	,,	,,	24″	,,
2	,,	,,	32″	,,
223				

Of these 116 were caused by the operations of the Drainage Contractors.

242. During the year under report 431 new connections were made and 273 were cut off for various reasons, leaving a net increase of 158 or 0·8 per cent. The number of disconnections during the year was more by 84 than the number in the preceding year. This is due to the operations of the Improvement Trust. The total number of connections now stands 20,552.

243. The annual increase in the number of connections during the past three years has been as follows :—

Year.	Total No.	Increase per cent.
1899-1900	214	1·0
1900-1901	190	0·9
1901-1902	158	0·8

244. The total number of meters at present in use is 2,887, of these 1,547 were tested during the year with the following results :—

——	Number.	Per cent. of number tested.	Per cent. of those found defective.	Per cent. of total in use.
Stopped owing to defects in moving parts	233	15·10	36·6	8·0
Slow do. do. do.	284	18·30	44·6	11·0
Stopped owing to dirt in do.	34	2·20	5·7	1·1
Slow do. do. do.	51	3·30	8·0	1·6
Fast do. do. do.	7	0·45	1·1	·3
Wilfully damaged	26	1·65	4·0	.....
Working correctly	912	59·00	.....	.....
Total ...	1,547	100·00	100·0	22·0

245. Forty-nine more were tested than in the previous year and 101 more were found defective ; this increase was due to the working parts of some of the older inferential meters wearing out. It will be observed that only 7 meters were found to be over-registering, owing in every case to scales of rust or small snail shells having lodged in the openings of the wheel, by which the flow is measured. The Bee (disc meters), recently introduced, continue to give satisfactory results.

Waste Preventions.

246. The examination of the mains by means of Deacon's meters and sounding has proceeded as usual. An analysis of the diagrams give a mean leakage from the metered mains of about ¼ per cent. with an equal amount from house-service pipes between the main and the stop-cock, so that allowing for an equal loss from the larger mains, on which there are no meters, the loss from this source is under 1 per cent.

FINANCIAL.

247. The value of reserve stock on 1st March 1901 was Rs. 3,89,741-8-5, and the purchases during the year amounted to Rs. 55,815-9-4, the balance in hand on 1st March 1902 being Rs. 3,71.132-8-10. The profit on stock was Rs. 11,618-8-2 and the loss Rs. 2,370-8-9, leaving Rs. 9,247-15-5 nett credit.

Sale of Rights of Cultivation.

248. The rights of cultivations, &c., on Municipal land in charge of this Department realized Rs. 3,978-6-0 as compared with Rs. 2,778 last year.

Work done for Municipal Departments and Private Parties.

249. The amount of work executed during the year was as follows :—

	Rs.	a.	p.
For other Departments	58,435	13	7
Private parties	10,119	0	11
Total...	68,534	14	6

F

REGULATION OF STREETS AND BUILDINGS.

BUILDING APPLICATIONS.

250. The number of applications for permission to either build or rebuild houses, &c., during the year under report amounted to 2,219, or 29 less than those received during the preceding year. Of these, 2,198 were passed either wholly or subject to certain conditions and 21 were entirely disapproved.

NOTICES AND SUMMONSES ISSUED.

251. During the year under review 3,049 notices were issued on house-owners under various Sections of the Municipal Act, or 2,689 less than those issued during the previous year.

252. Six hundred and twenty-seven prosecutions were instituted in the Magistrate's Courts under different Sections of the Municipal Act against the house-owners who failed to comply with the notices served upon them by this Department.

253. In 189 of these cases the parties complied with the terms of the notices served upon them; in 378 they were warned and discharged; in 56 cases they were convicted and fined, and 4 cases were postponed to the year 1902-1903.

254. The amount of fines realized was Rs. 721.

255. The following statement shows the different Sections of the Act under which offenders were prosecuted and the other details of prosecutions during the year 1901-02 :—

Wards.	Number of Sections of the Act.	Number of Prosecutions.	Cases withdrawn as requirements were complied with, &c.	Persons warned and discharged.	Persons convicted and fined.	Cases postponed to next year 1902-1903.	Amount of fines.
							Rs. a. p.
Superintendent, A, D & G Divisions	231	7	5	2	...	...	.....
	247	6	3	1	2	...	15 0 0
	257	1	1	...	...	...	.....
	308	5	2	3	...	...	.....
	311	2	2	...	...	...	.....
	312	4	2	2	...	...	.....
	313	1	1	...	...	...	.....
	323	18	7	11	...	...	.....
	347	107	35	62	10	...	73 0 0
	353	43	14	26	3	...	36 0 0
	354	20	2	17	1	...	5 0 0
Superintendent, B & C Divisions.	231	6	...	6	...	...	.....
	247	2	1	1	...	...	.....
	257	2	2	...	...	...	.....
	258	1	...	1	...	...	.....
	308	19	3	13	2	1	15 0 0
	311	2	1	1	...	...	.....
	312	6	1	5	...	...	.....
	313	20	7	9	4	...	11 0 0
	323	29	11	16	2	...	6 0 0
	347	69	20	44	4	1	150 0 0
	353	51	14	27	9	1	198 0 0
	354	35	6	22	6	1	110 0 0
	Building Bye-laws 34 & 35	1	1	...	...	...	.....
	Do. 36	2	2	...	...	...	.....
Superintendent, E & F Divisions.	231	4	...	4	...	...	.....
	247	3	...	2	1	...	10 0 0
	308	10	4	6	...	...	.....
	311	1	...	1	...	...	.....
	323	1	...	1	...	...	.....
	347	104	27	68	9	...	82 0 0
	353	45	15	27	3	...	15 0 0
Total ...		627	189	378	56	4	721 0 0

UNSAFE OR RUINOUS BUILDINGS.

256. During the year under report 367 notices were issued for the removal of unsafe dangerous or ruinous buildings which were all complied with either partly or wholly. Notwithstanding this, 30 buildings or parts of buildings unobserved by the officers of the Building Department fell down. Fortunately no injury was done to life in 29 of these, but in one case 4 persons were injured.

REMOVAL OF RUINOUS HOUSES, HUTS, OBJECTIONABLE CONSTRUCTIONS, DOORS, PROJECTIONS AND ENCROACHMENTS ON STREETS.

257. Action was taken under various Sections of the Municipal Act for the summary removal of ruinous houses and huts of objectionable construction, and of doors opening outwards, projections and encroachments on streets, &c., with the following results :—

Number of cases in which action has been taken departmentally	522
Number of cases executed by house-owners or withdrawn	1,154
Number of cases in which action is pending	109
Total Number of cases...	1,785

STREET IMPROVEMENT OR SET-BACKS.

258. The amount allowed for street improvement for the year 1901-1902 was only Rs. 50,000 against Rs. 1,00,000 provided for the purpose in past and previous years. This together with the grant for previous years renewed during the year under review amounted to Rs 1,64,798-14-11. Out of this amount Rs. 1,27,430-1-8 were actually paid during the year and a large amount of liability is still to be met.

259. The widening of streets is a work of great importance to the city as stated in previous Administration Reports.

260. The following statement shows the areas and values of grounds added to streets in each ward during the year under report :—

			Rs.	a.	p.
709·46	square yards in	Ward A	24,935	2	11
536·05	„	„ B	30,087	6	7
669·56	„	„ C	24,811	3	11
1,209·63	„	„ D	23,326	6	0
235·40	„	„ E	2,882	14	7
Nil	„	„ F	.....		
Nil	„	„ G	.....		
Total square yards... 3,390·10		Total Rs. ...	1,06,043	2	0

G.

ROADS, FOOTPATHS, &c.

REPAIRS AND MAINTENANCE.

Road Repairs.

261. The following statement gives the items of works executed out of the sanctioned grants for road repairs and maintenance :—

Particulars.	Quantity of work done in square feet.	Expenditure. Rs. a. p.
Metalling	5,952,127	2,33,647 7 8
Sandstoning	2,540,329	11,074 13 7
Scraping	.....	39,476 5 5
Repairs and maintenance of footpaths, bridges, culverts and roadside retaining walls, &c.	.....	12,969 14 1
Roadside trees, fencing and maintenance	.....	5,420 7 4
Repairs to, and purchase and maintenance of, tools and plant and other works incidental to the work of repairs to roads, footpaths, &c.	.....	32,926 1 0
	8,492,456	3,35,515 1 1
Unexpended balance ...		16,636 2 4
Total sanctioned grant ...		3,52,151 3 5

262. The area of roads metalled during the year under review being 5,952,127 square feet and the expenditure incurred upon the same being Rs. 2,33,647-7-8, the rate for metalling works out to 7·5 pies per square foot.

263. It is needless for me to reiterate what I have previously stated that if the roads of the City are to be kept in a more satisfactory condition, a larger grant than that usually allowed is necessary.

Road Metal.

264. The total quantity of metal purchased during the year under review was 1,054,702 cubic feet at a cost of Rs. 65,918-14-7.

Road Watering.

265. The road-watering grant for the year under review, excluding that of providing new hydrants, was Rs. 52,900. This grant, like that for road repairs, has been found insufficient and an extra grant of Rs. 8,000 was applied for.

266. As stated in previous report the new system of watering has proved more satisfactory than the former one of watering by means of bullock carts. It promises to be more so when the constant supply of water at high pressure can be introduced into the City.

Footpaths.

267. A grant of Rs. 13,000 was provided for paving footpaths along the following streets on Mody Bay Estate and the work was in fair progress at the close of the year :—

1. Carwar Street.
2. Komta Street.
3. Goa Street.
4. Mangalore Street.
5. Fort Street.

Tramways.

268. No extension has been made in the existing Tramway tracks during the year under review.

H.

PUBLIC LIGHTING.

GAS LIGHTING.

269. The total number of gas lamps in the City at the end of the year under report was 3,960 as detailed in the following statement, and the total cost of lighting has been Rs. 2,25,108-8-10.

270. The minimum contract pressure as well as illuminating power were maintained during the year. The lighting of the City was, however, not very satisfactory, owing in some cases to imperfect mantles, in some cases to bad burners and chokage of pipes and to accumulation of napthaline in some of the pipes, and the attention of the Gas Company was from time to time drawn to it. No penalty is provided in the contract for dim or imperfect lighting, and my Department has simply to content itself by drawing the attention of the Gas Company to it.

Ward.	Single light.		Double lights.				Triple lights.		Quadruple lights.		Quintuple lights.					Total number of lamps.
	Part month.	Whole month.	Apollo Pier.	Frere Fountain.	Wellington Fountain.	Khursedji M. Shroff Statue.	Part month.	Whole month.	Apollo Pier.	Victoria Dock.	Hornby Road.	Queen's Statue.	Mint Road.	Prince's Dock.	Church Gate Street.	
A	774	159	8	8	8	...	2	1	8	...	1	4	1	...	1	1,057
B	469	200	...	...	...	...	1	...	...	4	...	...	...	1	...	693
C	431	219	...	...	...	...	...	...	1	...	...	...	...	...	...	653
D	645	52	...	...	...	...	7	...	...	...	...	...	...	...	...	718
E	479	88	...	...	...	4	2	...	...	...	...	...	...	...	...	581
F	113	10	...	...	...	...	1	...	...	...	...	...	...	...	...	126
G	136	16	...	...	...	...	...	...	...	...	...	...	...	...	...	142
Total ...	3,037	744	8	8	8	4	13	2	8	4	1	4	1	1	1	3,970
Total No. of Burners. ...	3,037	744	16	16	16	8	39	6	32	16	5	20	5	5	5	
Deduct ordinary lamps not converted into incandescent ones.																10
Total ...																3,960

271. During the year under review 25 new gas lamps were put up along the roads detailed below :—

Locality.	Part month.	Whole month.	Total.
Duxbury Road, Colaba	15	.....	15
Dongersey Road	1	.....	1
Khandia Street	1	.....	1
Tank Cross Street	1	.....	1
Extension of Reay Road	4	.....	4
Parel Cross Road	3	.....	3
Total No. ...	25	.....	25

KEROSINE-OIL LIGHTING.

272. As in the preceding years, the kerosine-oil lighting was carried out departmentally and Snow Flake Kerosine Oil of 150° proof test was used.

273. The total number of kerosine-oil lamps in the City at the end of the year under review was 1,715 as shown below:—

Ward.	Double Wick.		Single Wick.		Total.
	Part month.	Whole month.	Part month.	Whole month.	
A	...	...	65	16	81
B	...	...	119	52	171
C	...	...	33	91	124
D	26	...	90	34	150
E	2	...	334	127	463
F	...	...	400	2	402
G	...	...	250	74	324
Total No. ...	28	...	1,291	396	1,715

274. The total cost of kerosine-oil lighting during the year under review was Rs. 36,539-4-8. Deducting from this Rs. 2,711-14-5 recovered by sale of empty kerosine-oil cases with tins, &c., Rs. 2,000-1-2 for Departmental bills for lighting Plague Camps, &c., and Rs. 72-14-0 as miscellaneous recoveries from private parties for breakage of lanterns, posts, &c., the net cost of kerosine-oil lighting during the year has been Rs. 31,054-7-1, which gives a rate of Rs. 18-8-3 per lamp per annum.

THE ELECTRIC LIGHT INSTALLATION.

275. The lamps in the Municipal Offices were not lit on the 24th, 25th and 28th October 1901 owing to a defect in the dynamo, which necessitated the relining of the bearings with white metal. There was also a stoppage of one hour on November 19th, due to a broken belt.

276. There was only one stoppage of the Market lights during the year. This occurred in the early morning of the 30th November 1901 and was due to a broken cable inside the markets.

277. The Municipal Office installation was inspected during the year for the first time by the Government Electric Inspector and several defects were found in the cables on the second floor. The damage was found to have been caused by white-ants which had in some places eaten almost the whole of the insulation off the cables.

278. An estimate amounting to Rs. 2,287, for replacing the defective cables with lead cover cables, was submitted to the Corporation and the expenditure was sanctioned under their Resolution No. 8649 of 10th October 1901. The work was undertaken by the Municipal Workshops and was completed in February 1902 within the estimated amount.

279. 3,700 pairs of carbons for the Arc lamps in the Crawford Markets were purchased from Messrs. John Fleming & Co. in April 1901 at the cost of Rs. 518.

280. The total cost of working the installation was within the Budget apportionment and amounted to Rs. 10,549-15-10.

I.

MUNICIPAL WORKSHOPS.

281. The following are the particulars of expenditure incurred during the year for departmental and private works executed at the Municipal Workshops and for supervision and shop charges, tools and repairs to machinery, buildings, &c. :—

	Rs. a. p.	Rs. a. p.
For Departmental Works, &c.—		
Labour	37,653 7 8	
Stores	56,864 10 9	
Piece-work, cart-hire, &c.	1,038 8 9	
Total ...		95,606 11 2
For Workshops & Stores—		
Labour	555 2 6	
Stores	2,542 2 10	
Total ...		3,097 5 4
For Shop Charges—		
Labour 1,750 2 4		
Stores 9,323 10 7		
Telephone connection (Rs. 164) and a new Mortar Mill (Rs. 875) 1,039 0 0		
Piece-work, contingencies, water-tax, &c. 55 0 0		
Total ...	12,167 12 11	
For Tools, Repairs to Machinery, Buildings, &c.—		
Labour		
Stores		
Repairs to buildings		
	.....	
For Supervision Charges, Establishment, &c.—		
Establishment 7,490 0 8		
Stores 1,020 0 0		
Contingencies 436 3 3		
Total ...	8,946 3 11	
Total Expenditure for working the Shops ...		21,114 0 10
Total Expenditure during 1901-1902 was Rs. ...		1,19,818 1 4
For total expenditure during 1901-1902 on account of Departmental works, &c., (Rs. 95,606-11-2) and for Workshop and Store jobs (Rs. 3,097-5-4) aggregated with the amount charged for supervision, tools, shop and repair charges, &c., (Rs. 33,127-4-9) to		1,31,831 5 3
Add—Amount of incomplete jobs at the beginning of the year 1901-1902 ...		17,015 3 9
		1,48,846 9 0
Deduct—Amount of incomplete jobs at the end of the year 1901-1902 ...		3,941 11 9
Thus the total amount of bills preferred by the Workshops in 1901-1902 was		1,44,904 13 3

PERCENTAGE FOR SUPERVISION, SHOP, REPAIR CHARGES, &c., GROUND-RENT AND WATER-SUPPLY.

	Rs. a. p.	Rs. a. p.
The actual charges for the general working of the Shops (Rs. 12,167-12-11) and for supervision exclusive of the pay of the Assistant Engineer, Mechanical Branch (Rs. 8,946-3-11) amounted to		21,114 0 10
The amount recovered on account of the abovementioned expenses by charging the fixed percentage of 35 per cent. on the cost of labour employed and materials used for works executed at the shops was 32,755 9 2		
The difference between the actual cost of working the Municipal pumping engine, plus 35 per cent. for supervision, repairs, &c., and the fixed charges at which it was let on hire to private parties and for Departmental works was ...	339 5 9	
The percentage realized for private works executed was	32 5 10	
The amount realized by the sale of surplus and unserviceable articles, coal ashes, &c, was 2,421 8 3		
The balance in favor of the Workshops was therefore		14,434 12 2
Total Rs. ...	35,548 13 0	35,548 13 0

282. In accordance with the rules now in force, no charges were made for water consumed at the Workshops during the year. This charge in previous years added a sum of approximately Rs. 1,500 per annum to the shop charges.

283. The dispute as to the right of occupancy of the ground occupied by the Health Department stables and the Workshops is again at a standstill, but Government have now filed a suit in the High Court for the recovery of the remaining ground. It is hoped that the matter will soon be decided. It has now been outstanding for seven years and has been most prejudicial to the economical and effective working of the Workshops.

284. The space available is so restricted that most of the cart repairs have now to be executed on Palton Road. Carts awaiting repairs have also to be stowed on the roadside and the owner of the large buildings in process of erection opposite the Workshops has made several complaints on the subject.

285. The following are the principal items of new works completed during the year :—

Description of work.	Amount.
	Rs. a. p.
Making and fixing (8) sluice gates at Worli	7,313 5 8
Making and fixing a C. I. chamber over the outfall well at Worli	2,751 2 0
Removing the Electric Light machinery from Municipal Workshops compound to A. C. Market compound :...	5,116 2 5
Fixing Electric Light machinery at Love Grove Compressor Station	3,806 1 8
Supplying (2) gun-metal spindles for 28" sluice, (2) for 27" sluice, and (2) for 20"sluice	843 3 9
Making (2) new inlet valve boxes for No. 3 Ejector Station	802 14 2
Making one wooden "Howda" for an Elephant in the Victoria Gardens	246 10 10
Making (19) hand refuse-barrows for Health Department	1,189 7 0
Making (2) iron safes for Chief Accountant's Department	477 12 7
Making (4) flexible stand-pipes and (4) iron stand-pipes for new pattern hydrants ...	312 14 0
Making (6) double chairs, (6) check chairs, (6) crossing chairs, (12) slide chairs for Coorla Deonar Railway Works	370 12 4
Making (20) C. I. benches for the Khote footpath	434 3 8
Total ...	23,664 10 1

286. The following are the principal items of new works which were in progress, but were not completed before the close of the year :—

Description of work.	Estimated cost.	Expenditure up to 28th February 1902.
	Rs. a. p.	Rs a. p.
Making and erecting a Blacksmith's shop fitted with tools and a godown at Chimbhur	2,890 0 0	2,657 11 10
Converting (3) old boilers into air-receivers and fixing them in position at Love Grove Compressor Station	2,460 0 0	511 15 6
Making (1) offal bin for Municipal Markets	282 5 0	136 6 3

287. In addition to the above works the Workshops have continued to keep in repair the rolling-stock of the Health, Road and Drainage Departments, the machinery of the Love Grove pumping and Compresser Stations and the Colaba Compressor Station, steam rollers, fire engines, &c.

THE HYDRAULIC LIFT SERVICE.

288. On the 17th December 1901 the pinion shaft of the hydraulic lift broke suddenly while the lift was going up, and but for the safety gear attached to the lift there might have been a serious accident. The gear was, however, prompt in its action, and beyond the broken shaft no damage occurred. The shaft was renewed with a new one of a larger diameter, and it is unlikely that any damage will take place under the same head again.

289. The total cost of working the lift during the year amounted to Rs. 1,872-13-4.

PLAGUE OPERATIONS.

Inspection, improvement and demolition of insanitary buildings during the year 1901-1902.

290. During the year previous to the one under report, the systematic inspection of the most insanitary houses was completed in the following districts : Dhobitalao and Kamatipura.

291. During the year under report, the systematic inspection of the most insanitary houses in Mahim and Worli was taken in hand and carried on along with the other remaining districts in the City.

292. A survey of such houses has been practically completed throughout the City, except in the following districts which are still in hand : Parel, Sewri, Sion and Worli.

293. The accompanying statement marked A gives detailed information as regards the number of houses inspected in each district, those found in need of improvement, and also those condemned as incapable of improvement and fit for demolition.

294. Altogether 1,433 houses were inspected during the year under review, of which 841 houses were found more or less in need of improvement. 590 were found incapable of improvement and fit for demolition. Most of the latter class of buildings are small sheds and other like structures of a more or less temporary nature.

295. In all 145 houses and sheds were actually demolished during the year.

296. During the year 926 notices were issued, requiring the house-owners to improve their buildings. The owners of 750 houses took the work of improvement in hand, 441 houses had to be declared unfit for human habitation, out of which 68 houses were closed permanently for demolition, 344 temporarily for enforcing improvements in them, and 29 were declared unfit for human habitation to allow of action being taken for the immediate improvement of their ventilation.

297. During the year 13 buildings were assessed by the Government Assessor, who awarded an aggregate amount of Rs. 1,241 for their compensation.

298. The amount of compensation paid during the year for structures demolished was Rs. 6,185, which amount includes the compensation for most of the buildings demolished during the previous years.

299. The work of abating overcrowding in the congested parts of the City was carried out as during last year. In all 201 new notices were served to reduce overcrowding, and in 181 houses overcrowding was abated.

300. During the year certificates of fitness for human habitation have been issued in the case of 286 buildings.

301. In addition to these, in 267 buildings the improvements have been practically completed; but as there are still a few minor works to be carried out, certificates have not yet been granted.

302. The following is a summary of the clerical work done by the House Improvement Branch during the year. :—

Letters, &c., received, including replies to references to the Inspectors, 20,905.

Letters, &c., despatched, including references to the Inspectors for report, 29,919.

303. Under Government Notification No. $\frac{2675\text{-P.}}{3027}$ of 10th May 1898 Municipal workmen were employed to do the works in two buildings. In both cases immediately the men were employed the owners themselves took the work in hand, and at their request the Municipal men were withdrawn and the charges incurred by the Municipality have already been recovered.

304. Statement showing the number of houses inspected, those found in need of improvements and also those which are considered fit for demolition.

Districts.	Number of blocks inspected.	Number of blocks requiring improvement.	Number of blocks to be demolished.	Remarks
1	2	3	4	5
Colaba	24	22	2	
Fort	28	28	...	
Mandvi	13	11	2	
Chukla	1	1	...	
Umerkhari	7	7	...	
Market	5	3	2	
Dhobie Talao	15	9	5	
Fanaswadi	10	8	2	
Bhuleshwar	3	3	...	
Khara Talao	1	1	...	
Kumbharwada	8	8	...	
Khetwadi	15	8	7	
Girgaum	53	33	20	
Chowpatti	2	1	1	
Walkeshwar	5	4	1	
Mahalaxmi	135	80	55	
Mazagon	41	1	40	
Tarwadi	79	39	40	
2nd Nagpada	4	4	...	
Tardeo	13	2	11	
Parel	104	66	37	
Sewri	1	.....	1	
Sion	187	125	62	
Mahim	393	252	141	
Worli	286	125	161	
Total ...	1,433	841	590	

J.

GENERAL.

BILLS, VOUCHERS, &c., RECEIVED AND PASSED.

305. Comparative statement of the number of bills, vouchers, &c., received, examined, and passed during the five years from 1897-98 to 1901-1902 :—

Description.	1897-98.	1898-99.	1899-1900.	1900-01.	1901-02
Bills for Supplies, Works, &c.	10,189	11,465	11,032	11,040	14,535
Departmental Works Bills	3,855	3,847	4,009	4,463	5,074
Private Works Bills	2,341	1,945	2,274	2,339	1,709
Total ...	16,385	17,257	17,315	17,812	21,318

NOTICES, &c., ISSUED.

306. Comparative statement of the number of notices, &c., issued during the five years from 1897-98 to 1901-1902 :—

Section.	Description.	1897-98.	1898-99.	1899-00.	1900-01.	1901-02.
	Street and Building Branch.					
231	To provide rain-water eaves, gutters and down pipes...	603	477	467	405	99
232	To drain undrained premises not within a hundred feet of a Municipal drain	...	...	...	...	...
234	To provide effectual drainage to new buildings ...	...	...	...	...	...
247	To provide water-closets, privies or urinals	9	5	15	9	25
257	To remove encroachments on drain, cess-pool, house gully, privy, urinal, &c.	18	6	20	3	4
299	Intimation to take possession to land outside building for street improvement	32	11	28	41	51
305	To level, metal or pave drain and light private streets ...	46	...	...	...	...
308	To remove new projections	102	121	182	152	109
309	To remove old projections	34	18	2	2	1
311	To remove or alter door, gate, bar or window opening upon a street	48	36	56	23	21
315	To remove projection or obstruction in or upon any street or upon or over open channel, drain, well or tank	...	1	...	...	...
329	To repair, protect or enclose wells or dangerous places ...	3	3	5	7	2
349	To remove inflammable materials in external walls and roof covering	976	732	621	907	352
351	To remove, alter or pull down structures erected without Municipal approval or to submit plans for the same ...	245	277	433	19	36
351(1)(*a*) &(2)	To remove the unauthorized works	...	...	...	7	9
353	To alter buildings erected or to amend works done contrary to the provisions of the Municipal Act or Building Bye-laws	318	424	362	354	307
354	To pull down ruinous houses	456	383	312	568	367
380	Removing or altering insanitary huts or sheds ...	14	162	957	786	320
383	To cut and trim trees, shrubs and hedges	2	6	5	4	3
488	Intimation of intention to enter houses after 24 hours' notice	1,730	960	2,026	2,471	1,343
		4,636	3,622	5,491	5,738	3,049

306. Notices, &c.—*continued.*

Section.	Description.	1897-98.	1898-99.	1899-00.	1900-01.	1901-02.
	Drainage Branch.					
222	For laying Municipal drains through or under land belonging to private parties....	...	3	6	47	15
228-229	To drain private properties into Municipal drain	...	1	...	...	...
230	To carry drains through land belonging to other persons.	5	3	8	5	13
231	To drain undrained premises within a hundred feet of a Municipal drain	903	979	1,239	1,820	3,500
231&232	To drain undrained premises within or without a hundred feet of a Municipal drain	...	...	...	...	...
231&257	To close, remove, renew, repair, &c., drainage of premises without sufficient means of effectual drain	...	...	...	...	...
231&260	To drain undrained premises through the Municipal Agency	20	...	48	...	...
232	To drain undrained premises not within a hundred feet of a Municipal drain	70	102	100	34	51
232&257	To provide effectual drainage to new buildings	17	6	1	...	...
238	To declare joint ownership of a drain	...	1	4	2	14
244	To affix shafts or pipes or ventilation of drains, &c.	3	4	16	4	17
248	To provide water-closets, privies, or urinals	2	3	...	...	...
251	To provide water closets in accordance with the provisions of the Municipal Act	2	...	...	...	...
257	To renew, repair, &c., drainage of houses	1,017	1,268	1,390	584	337
257&260	To execute, repair, &c., to drain cess-pool, &c., through the Municipal Agency	...	1	...	527	...
358	To execute works in good workmanlike manner and to use suitable materials, &c	...	...	...	...	...
358	To prohibit contraventions generally of the provisions of Chapter IX of Municipal Act	4	7	9	5	5
358	To prohibit the use of any bad material, appliance or fitting by Licensed Plumbers	1	...	8	7	51
375	Cleaning and lime-washing of any building	...	...	...	...	...
381	To cleanse, full drain, &c., pools, ditches, ponds, wells, quarry holes, &c....	...	...	...	...	...
		2,044	2,378	2,829	3,035	4,003
	Water Branch.					
278 (2)	To repair and stop leakage of water from taps, service pipes, &c.	9,818	7,111	5,932	5,672	4,975
...	For transferring connections from one main to another ...	4	2	4	1	90
279	To fix meters to service pipes	160	199	221	323	277
284, 285 & 171	To stop wastage of water from taps, &c.	28	57	21	48	33
	Total ...	10,010	7,369	6,178	6,044	5,285

306. Notices, &c.—*continued.*

Section.	Description.	1897-98.	1898-99.	1899-00.	1900-01.	1901-02.
	House Improvement Branch.					
380	Removing or altering insanitary huts or sheds	7	45	55	32	87
426	Demolishing insanitary structures to prevent the spread of infectious diseases.	85	203	113	16	...
„	Notices issued intimating to the owners improvements necessary in the houses.	741	2,086	2,819	1,769	927
I	Notices issued under Epidemic Diseases Act	55	1,039	629	250	441
II	Notices issued under Government Notification No. 228 P of 10th February 1897 for the removal of overcrowding.	.....	113	119	35	201
IV & VII	Notices issued under Government Notification No. 228 P of 10th February 1897 for breaking open the houses.	.....	4	6	3	11
IX	Notices issued under Epidemic Diseases Act	90	87	45	20	29
„	Notices issued under Government Notification No. 2675-3027 P of 10th May 1898 for improving the means of ventilation.	.....	401	287	4	29
	Total ...	978	3,978	4,073	2,129	1,724
	Summary.					
	Street and Building Branch	4,636	3,622	5,491	5,738	3,049
	Drainage Branch	2,044	2,378	2,829	3,035	4,003
	Water Branch	10,010	7,369	6,178	6,044	5,285
	House Improvement Branch	978	3,978	4,073	2,129	1,724
	Total ...	17,668	17,347	18,571	16,946	14,061

LETTERS, &c., RECEIVED AND DESPATCHED.

307. Comparative statement of the number of letters, references to Inspectors, &c., received and despatched, during the five years from 1897-98 to 1901-1902.

Departments.		1897-98.	1898-99.	1899-00.	1900-01.	1901-1902.
General and Street and Building Branches	Inward	47,744	81,706	89,214	91,225	81,884
	Outward	55,792	71,349	102,599	97,484	83,108
Drainage, Ordinary Branch ...	Inward	35,758	41,979	45,071	34,469	44,459
	Outward	36,001	30,393	43,928	33,568	45,162
Drainage, Special Branch ...	Inward	...	...	...	7,652	9,210
	Outward	...	...	...	6,450	7,421
Water Branch	Inward	22,777	12,982	14,291	23,768	27,355
	Outward	22,347	13,396	15,733	25,036	26,714
	Total ...	220,419	251,805	310,836	319,652	324,813

SUMMARY OF CLERICAL WORK DONE BY THE DIFFERENT BRANCHES.

308. The following is a Summary of clerical work done by the different branches of the Department during the year :—

Consecutive No.	Description of Work.	General and Street and Building Branches.	Workshops.	Drainage, Ordinary.	Drainage, Special.	Water Works.	Total.
1	Letters, &c., received, including replies to references to Inspectors, &c....	79,594	1,790	44,459	9,210	27,355	162,408
2	Letters, &c., despatched, including references to Inspectors for report	78,428	3,133	45,162	7,421	26,714	162,405
3	Notices issued	4,817	...	4,003	...	5,252	14,072
4	Summonses issued	627	...	1,976	...	...	2,603
5	Contracts for annual and other supplies and for the construction of various works executed	43	...	13	6	11	73
6	Leases of various rights sold	8	...	5	...	36	49
7	Vouchers received and passed	4,076	439	6,170	986	1,864	14,535
8	References made to Inspectors, &c., for certificates on vouchers	2,630	...	3,220	711	1,724	8,285
9	Reports and certificates received from the Inspectors, &c.	2,630	...	3,220	711	1,724	8,285
10	Departmental and Private works bills prepared or received, checked and passed	3,482	743	453	...	2,105	6,783
11	Statements of works done for Municipal Departments, checked and passed	144	...	...	...	598	742
12	Statements of works done for private parties, checked and passed	116	...	...	...	...	116
13	Workshops' Balance Sheets prepared and forwarded ...	...	12	...	...	...	12
14	Statements of recovery of bills against private parties received	100	...	...	...	...	100
15	Requisitions prepared or received and forwarded... ...	981	155	1,131	76	323	2,666
16	Measurement slips for metal, sand, rubble, &c., received and checked	429	...	...	...	...	429
17	Statements showing the receipts, issues and balances of stores received and checked	144	...	...	...	...	144
18	Morning and materials reports, diaries, &c., prepared or received and checked...	13,140	...	...	...	...	13,140
19	Muster-rolls received and checked	1,045	72	120	75	204	1,668
20	Statements of wages remaining unclaimed, received and checked	144	3	43	...	13	203
21	Unclaimed wages refund prepared or received and passed	850	16	344	14	49	1,273
22	Work-abstracts for road repairs and maintenance received and checked	144	...	...	...	...	144
23	Work-abstracts for road watering received and checked ...	108	...	...	...	...	108
24	Statements of expenditure on each road received and checked	...	...	...	...	...	...
25	Quarterly estimates for road repairs and road watering received and passed	...	...	...	...	...	...
26	Permits issued for projecting verandahs, balconies, rewas, weather-frames, &c.	24	...	...	...	...	24
27	Permits issued for erection of scaffolding on public roads.	430	...	...	...	...	430
28	Permits issued for opening roads	2,063	...	...	...	...	2,063
29	Permits issued for temporary occupation of public streets on marriage and other ceremonies...	626	...	...	...	...	626
30	Advice-notes for sale of tender forms, rights of cutting grass, &c., hire of steam-rollers, carts, &c., ground rent, sale of building forms under Sections 337 and 342, supplying copies of office records, sale of applications for water connections, fees for testing water pipes, meter fittings, hire of meters, &c., prepared and forwarded to the Chief Accountant	3,799	...	570	29	1,982	6,380
31	Licenses issued to Plumbers	100	...	...	...	...	100
32	Licenses issued to Surveyors	38	...	...	...	...	38
33	Slips for road openings received	1,923	...	...	...	...	1,923
34	Authorities issued to plumbers for opening roads under tram lines	47	...	...	...	...	47
35	Adding ground orders issued	67	...	...	...	...	67
36	Permits for building or rebuilding houses granted either conditionally or unconditionally	2,219	...	...	...	...	2,219
37	Claims for compensation for land, &c., taken up for street improvement, passed	155	...	...	...	...	155
38	Gate passes issued	...	182	...	...	6,122	6,304
39	Receipts for articles sent from Workshops, prepared and forwarded	...	1,200	...	...	...	1,200

MUNICIPAL SERVANTS' ACT.

309. No circumstance has arisen in this Department during the year under report to necessitate the putting of the Municipal Servants' Act into operation.

I have the honor to be,
Sir,
Your most obedient Servant,

M. C. MURZBAN, F.R.I.B.A., M. INST. C. E.,
Executive Engineer, Municipality.

K.—FIRE BRIGADE.

1. The establishment has been upheld in a state of efficiency during the year and all appliances are in good condition and thorough working order.

2. Several members of the Brigade have received injuries in the execution of their duties none of which, however, were of a serious nature, except in the cases of Firemen, Raoji Antoo and Narayan Govind, who in consequence of injuries received to their legs and feet at a fire at Jairam Mills, on the 19th of November 1901, were admitted into the Gokuldas Tejpal Hospital and afterwards into the Arthur Road Hospital and were invalided by the Brigade Surgeon on the 9th April 1902.

3. During the year, Engineer, C. Thompson, died a natural death on the 6th October 1901 in his quarters, and 30 members resigned, or otherwise left the service.

4. A man, named Azarili Sulemanali, aged 22 years, was burned to death at a fire at Janjikar Street on the 13th April 1901, and 11 school boys between the ages of 6 and 7 were burned to death at a fire at Shamsett Street on the 28th December 1901, no blame being attached to the Fire Brigade in either case.

5. The water-supply at fires has been satisfactory in all cases, and the attendance of the Water Works Staff has been prompt and of assistance to the Brigade.

6. The inspection of Fire hydrants throughout the City has been carried out by the Brigade during the year.

7. The fire service at the Municipal Offices and Markets has been maintained in good working order, and the employés have been periodically drilled in the use of the appliances.

8. One new horse was purchased during the year in place of one unfit for further Fire Brigade work and disposed of to the Plague Research Laboratory.

9. Orders for 3,420 feet of Delivery Hose, 3 Telescopic Fire Escapes and other appliances were satisfactorily executed by Messrs. W. Crowder & Co. and Messrs. John Fleming & Co., respectively.

10. Provision has been made in the ensuing year's Budget for a supply of 4,200 feet of Delivery Hose for fire purposes to replace other condemned in the year 1900-01.

11. The present Strength and Equipment of the Brigade is as follows :—

Strength.

1 Chief Officer.	7 Engineers.	8 Drivers.
2 Clerks.	13 First Class Tindals.	8 Grooms.
1 Head Foreman.	6 Second Class Tindals.	
5 Foremen.	115 Men of Grades.	

Making a total of 166 including all ranks.

Equipment.

8 Steam Fire Engines.	7 Tender Carts.	1 Van.
8 Manuals.	6 Telescopic Ladders.	16 Horses.
16 Hose Reels.	1 Brake.	

368 lengths of Delivery Hose aggregating about 22,000 feet and other necessary Fire-extinguishing Appliances.

The distribution of Engines, &c., is as under :—

No.	Stations. Names.	Engines. Steamers.	Engines. Manuals	Hose Reels.	Tender Carts.	Fire Escapes.	Brakes.	Van.	Horses.	Delivery Hose.	Foremen.	Engineers.	First Class Tindals.	Second Class Tindals.	Firemen of Grades.	Drivers.	Grooms.	Remarks.
1	Byculla ...	3	2	3	1	1	1	1	6	97	1	2	2	1	24	3	3	
2	Gowalia Tank ..	1	...	2	1	1	...	...	2	34	1	1	1	1	11	1	1	
3	Chinchpokli ...	1	...	1	1	1	...	...	2	34	1	1	1	1	11	1	1	
4	Babula Tank ...	1	...	2	1	1	...	...	2	34	1	1	1	1	11	1	1	
5	Fort	1	...	1	1	1	...	...	2	34	1	1	1	1	11	1	1	
6	Colaba	1	...	1	1	1	...	...	2	34	1	1	1	1	11	1	1	
7	Malabar Hill ...	...	1	1	...	...	...	...	...	24	...	...	1	...	6	...	...	
8	DeLisle Road ...	...	1	1	...	...	...	...	...	14	...	...	1	...	6	...	...	
9	Mahim	...	1	1	...	...	...	...	...	14	...	...	1	...	6	...	...	
10	Dadar	...	1	1	...	...	...	...	...	14	...	...	1	...	6	...	...	
11	Mazagon ...	...	1	1	...	...	...	...	...	14	...	...	1	...	6	...	...	
12	Bhuleshwar ...	...	1	1	1	...	...	...	...	21	...	...	1	...	6	...	...	
	Total	8	8	16	7	6	1	1	16	368	6	7	13	6	115	8	8	

12. The number of calls to fires or supposed fires received during the year has been 78, of this number 7 were reported by the Police but did not require the attendance of the Brigade. The remaining 71 involved the turning out of Engines and men, and resulted in 16 false alarms and 55 fires, 31 of which were extinguished by the Brigade appliances and 24 before the arrival of the Brigade.

13. The estimated damage to property during the year has amounted to Rs. 11,59,233, showing an increase of Rs. 9,59,278 as compared with the preceding year.

14. The amount of damages to property at the 31 fires extinguished by the Brigade appliances is estimated at Rs. 11,48,420, whilst the property in imminent risk of becoming involved at these fires has been rated at Rs. 13,75,160.

15. The estimated damage to insured properties has been Rs. 11,29,301, whilst that to uninsured properties has been Rs. 29,932.

16. The estimated quantity of water used for extinguishing fires during the year has been 964,200 gallons or about 4,304 + 104 tons; of this quantity 959,400 gallons were taken from the Street mains and 4,800 gallons from the sea.

17. The fires of 1901-02 show a decrease of 16 as compared with 1900-01 and with the average of the past ten years a decrease of 44 fires.

Table No. 1.

List of Causes of Fires for the year 1901-1902.

CAUSES.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.	February.	March.	Total.
Careless use of fire ...	1	...	1	...	...	...	...	...	...	...	2	...	4
Do. do. matches.....	...	1	...	...	...	...	...	...	...	...	...	...	1
Do. kerosine lamp.....	...	1	...	...	...	...	1	1	...	...	...	1	4
Do. do. fire-place.....	...	...	1	...	...	...	...	1	1	...	...	...	3
Hot ashes	...	...	...	...	...	...	...	...	...	...	1	...	1
Kerosine oil lamp upset....	...	...	...	...	...	2	3	...	...	...	...	...	5
Light thrown down ...	3	3	1	...	...	...	1	2	1	5	1	2	18
Oil lamp	...	...	...	...	...	2	...	...	2	...	...	...	4
Overheating of machinery.	...	...	...	...	...	...	...	...	1	...	...	...	1
Oil boiled over	...	...	...	...	...	...	1	...	...	...	...	...	1
Oil lamp upset	1	...	...	...	...	...	...	...	...	...	...	...	1
Spark from fire.	...	...	...	...	...	...	...	...	...	...	...	1	1
Spontaneous combustion...	...	...	...	...	...	...	...	...	...	...	...	1	1
Unknown	3	3	1	...	...	1	1	3	1	1	...	1	15
Boiling Tar upset... ...	...	...	...	...	...	...	...	...	1	...	...	...	1
Lime slaked by rain ...	...	...	...	...	1	...	...	...	...	...	...	...	1
Total ...	7	8	4	...	1	5	7	7	7	6	4	6	62

Table No. 2.

Monthly Summary of Fires and Annual Losses for the period from 1892-93 to 1901-1902.

Year.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.	February.	March.	Total Fires.	Estimated Loss. Rs. a. p.
1892-93 ...	8	12	10	9	4	3	12	15	17	11	17	19	137	3,18,599 0 0
1893-94 ...	14	8	9	3	3	2	14	15	11	13	16	12	120	6,77,128 0 0
1894-95 ...	7	12	7	3	8	4	3	6	10	16	12	9	97	2,25,445 0 0
1895-96 ...	15	10	11	9	2	3	9	12	24	13	9	13	130	20,41,571 0 0
1896-97 ...	12	26	8	3	7	8	12	16	8	7	6	9	122	18,75,662 0 0
1897-98 ...	7	12	6	8	4	7	13	18	14	19	9	19	136	19,98,464 0 0
1898-99 ...	9	16	7	3	6	9	7	7	8	23	13	7	115	23,61,915 0 0
1899-00 ...	9	10	4	7	7	4	5	7	12	13	9	4	91	4,11,699 0 0
1900-01 ...	6	6	4	3	...	7	5	13	12	5	9	6	76	1,99,955 0 0
1901-02 ...	7	8	4	...	1	5	7	7	7	6	4	6	62	11,59,233 0 0

Table No. 3.

List of Fires where Property to the extent of Rs. 2,000 and upwards was destroyed during the year 1901-1902.

Date.	Locality.	Nature of Property.	Damage.
1901.			Rs.
April 8th	Victoria Dock	S. S. "Clyde"	7,500
,, 10th	Modi Street	Building	2,400
,, 21st	Victoria Dock	S. S. "Karachi"	20,000
,, 30th	Janjikar Street	Building	21,500
May 3rd	Chunam Kiln Road	Do.	65,000
,, 13th	Thomas Street	Do.	10,500
,, 27th	Dongri Street	Do.	55,000
June 4th	Parel	Workshops (G. I. P.) ...	2,50,000
September 13th ...	Fergusson Road	Bales of Cotton	8,700
October 9th	Argyle Road	Building	25,030
November 7th	Suparibag Road	Shed	2,000
,, 19th ...	DeLisle Road	Jairam Mill	5,00,000
December 17th... ...	Fergusson Road	Cotton	5,000
,, 28th... ...	Shamsett Street	Building	1,75,100
1902.			
January 27th	Solapur Street	Jowli Huts	2,200
February 7th	Old Bengalpura	Building	5,000

L.—PUBLIC GARDENS.

REPORT OF THE SUPERINTENDENT OF THE MUNICIPAL GARDENS, RECEIVED UNDER HIS NO. 353, DATED 15TH MAY 1902.

1. The following gardens were maintained during the year under report :—

(*a*) Victoria Gardens.
(*b*) Elphinstone Circle Garden.
(*c*) Northbrook Garden.
(*d*) Malabar Hill Garden.
(*e*) Bazar Gate Garden.
(*f*) Falkland Road Garden.
(*g*) Dick's Tank Garden.
(*h*) Municipal Office Garden.
(*i*) Sir Cowasji Jehangir Garden, at Mahim.

2. The total number of visitors to the Victoria Gardens during the year under report was 1,370,223, being less than that of the previous year by about two lacs and eighty-three thousand. Last year's number, however, was an exceptionally large one owing to the addition of the Orang-Outang and the Elephant to the Zoological Collection, and the number for the year under report compares favourably with that of 1899-1900, showing an increase of about 2 lacs and seventy-six thousand.

3. The metalling and repairing of roads was carried on as usual, and all the roads kept in good order throughout the year. A part of the road in front of the Museum was metalled and consolidated by steam rolling through the Executive Engineer's Department, and a new broad road laid out in the new ground around the site where it is proposed to build a monkey cage.

4. The work of laying water pipes was continued during the year under report, some small branch lines being laid in the old garden, and the main pipe in the new ground extended further to a distance of 200 feet. It may be remarked here that considerable difficulty is felt for the past 2 or 3 years in watering all the gardens, especially during the hot weather, as the pressure, which was formerly sufficient throughout the day, has become very much less except during some hours in the morning and afternoon.

5. The repairs and construction of new drains for carrying storm-water and providing them with gratings was also continued during the year under report.

6. Much progress was made during the year under report in the work of renewing and replanting of lawns and shrubberies, planting new and more suitable trees along roadsides and in beds, and bringing the new vacant ground under cultivation.

7. The plant-house in the nursery was further extended to meet the increased requirements, and the work has now so much increased in the nursery that it has got quite beyond the capacity of the existing staff which urgently required strengthening.

8. 154 trees were supplied to the Executive Engineer for roadside planting in the City.

9. A list of the new plants added to the collection during the year under report is appended to this report.

10. Three water stand-pipes and three closets for the use of visitors, which were sanctioned in the previous year, were completed during the year under report.

11. A fine permanent house was constructed during the year under report for the accommodation of the elephant presented last year by His Highness the Gaekwar of Baroda.

12. The small old aquatic cage was extended during the year under report at considerable cost, and now covers a very large area of the pond, with small islands inside, which have been planted with bamboos, grasses, sedges, &c., suitable for giving cover to the birds. The existing aquatic birds have found a very suitable accommodation in the cage, and the cage has been further stocked with a valuable collection of aquatic birds purchased from Jeypore with the kind assistance of Colonel Jacob, Superintending Engineer of Jeypore, who is in charge of the well-known Jeypore Gardens. Many more birds are, however, required to fill the cage, and attempts are being made to obtain them.

13. Giving rides to the visitors on the elephant at As. 2 and 1 for adults and children, respectively, was put in force from the middle of August 1901, and has been very popular and much appreciated by the public. The amount realized hitherto has more than covered the cost of keeping the elephant. The selling of tickets and assisting at the rides requires the services

of a special clerk for at least 3 hours a day, and it is hoped that the Garden Office staff would soon be strengthened to meet this extra work and the general increase in the Garden Office work.

14. The following animals were added to the Zoological Collection during the year under report :—

By purchase—

1 Uryal.
1 Spotted Deer.
1 Australian Magpie.
2 White Crested Cockatoos.
1 Tiger Cub.
6 Marmosets.
2 Ring-necked Pheasants.
3 Indian Gazelles.
A collection of birds consisting of Ducks, Storks, Herons, Cranes, &c., from Jeypore.
1 Monaul Pheasant.

And other smaller birds and mammals.

By presentation—

1 Arabian Gazelle.	By Mrs. F. Potts.
1 Bear Cub.	„ Captain J. Lambert.
2 Blue Herons.	„ Mr. H. Meyer.
1 Caracal.	„ Col. R. H. Hogg, C. I. H.
3 Four-horned Antelopes.	„ Trustees, Bombay Pinjrapole, Mr. Kazi Abdul Karim, and Mr. J. Glasier, respectively.
1 Feas' Rib-faced Deer.	„ Commdr. Beauchamp, R. I. M.
1 Jackal.	„ Mr. G. Luxman.
1 Hyæna.	„ „ Smith.
4 Indian Gazelles.	„ Messrs. Ludha Ebrahim & Co., Mr. J. W. Haves and Trustees, Bombay Pinjrapole, respectively.
5 Indian Antelopes.	„ Mr. A. B. Duggan, Mr. K. Ringger, Mr. W. E. Butler, Mr. Narayan Dwarkadas and Mr. F. N. Gibs, respectively.
3 Jungle Cats.	„ Miss Wellaston.
1 Langur Monkey.	„ Mr. F. M. Crisp.
1 Mouse Deer.	„ „ Kazi Abdul Kareem.
1 Nilgai.	„ „ Kanji Parbat.
6 Peafowls.	„ Mr. McCann, Government House, Ganeshkind, and Mr. Goolam Hussain Mahomed, respectively.
5 Pintailed Sand Grouse.	„ Commdr. A. H. Philips, R. N.
1 Roseate Cockatoo.	„ Mr. Vallabhji Ramji.
1 Spotted Deer.	„ „ Sheriar K. Irani.
4 Sea Gulls	„ „ H. Brewin.
1 Spotted Owlet.	„ „ E. H. Aitken.
2 Wolf Cubs.	„ The Bombay Natural History Society.

Born in the Gardens :—

2 Indian Antelopes.
1 „ Crested Porcupine.

The following animals were among those that died during the year :—

1 Sambur Deer.
1 Panther.
3 Black Lemurs.
1 Blue and Yellow Macaw.
1 White Swan.
1 Spotted Deer.
2 Malayan Bears.
4 Marmosets.
1 Black Ape.
1 Rib-faced Deer.
1 Lynx.
1 Monaul Pheasant.

15. All the other gardens were kept in good condition throughout the year. The work of renewing shrubberies and lawns was continued in the Elphinstone Circle, Bazar Gate, Dick's Tank, Northbrook and Municipal Office Gardens during the year under report. The Northbrook Garden was occupied by plague camps throughout the year.

16. The budgetted and actual expenditure on the different gardens was :—

	Names of Gardens.	Total amount sanctioned.			Expenditure.		
		Rs.	a.	p.	Rs.	a.	p.
(a)	Victoria Gardens	71,107	8	6	54,359	10	1
(b)	Elphinstone Circle Garden	2,160	0	0	948	1	5
(c)	Falkland Road Garden	570	0	0	196	11	8
(d)	Northbrook Garden	1,976	0	0	967	14	9
(e)	Sir Cowasjee Jehangir Garden	748	0	0	333	2	1
(f)	Bazaar Gate Garden	752	0	0	471	1	1
(g)	Dick's Tank Garden	420	0	0	150	8	10
(h)	Malabar Hill Garden	1,530	0	0	667	15	6
	Total ..Rs.	79,263	8	6	57,995	1	5

APPENDIX A.

List of plants introduced in 1901-1902.

Acacia longifolia
Aerides vandarum
Aeschynomene aspera
Albizzia lophantha
Allium pallens
Amaryllis sp., Brazil
Anemone coronaria
Aralia Veitchii
Arctotis grandis
Ardisia polycephala
Aristolochia Duchartii
" ridicula
Artocarpus hirsuta
Arundina bambusæfolia.
Aquilegia hortensis
Bauhinia monandra
Bentinckia nicobarica
Bignonia catalpa
Bocconia cordata
Bowenia spectabilis serrulata
Brodiæa capitata
" minor
Broussonetia papyrifera
Callicarpa arborea
Calochoxtus venustus
Canella alba
Carnation snowdrift
Castilloa elastica
Catha edulis
Cereus eburneus
" flagelliformis
Clianthus puniceus (red)
" " albus
Cobæa scandens fl. albo
Cocos Bonneti
" schizophylla
Cœlogyne Gardneriana
" Gowerii
Coffea Wightii
Crinum asiaticum variegatum
" giganteum
" moorei
" pedunculatum
" yemense
Curculigo recurvata variegata
Cymbidium eburneum
Cymbidium mastersii
Cypripedium hirsutissimum
" venustum
Delphinium dasycarpum
Dendrobium cariniferum
" clavatum
" Devonianum
" Falconeri
" fuscatum
" infundibulum
" longicornum
" Wardianum
" " Lawii
Dianthus caryophyllus (Tree carnation)
Dracæna Godseffiana
" Sanderiana
Echinocactus sp.
Echinocereus pectinatus
Echinopsis intertextus
Epiphyllum sp.
Esmeralda Cathartica
Eucalyptus rostrata
Eucharis candida
" mastersii
" sanderiana
Ficus vogellii
Heliconia brevispatha
" reseo-striata
Hermodactylus tuberosus
Hitchenia caulina
Haworthia tessellata
Hura crepitans
Hymenocallis macrostephana
Iris florentina
" hispania
" Sari-nazarina
Ixora polyantha
Lachenalia contaminata
" hyacinthina
Licuala humilis
Litsæa tomentosa
Livistona Jenkinsii
" mauritiana
Lycopodium (Coorg)
Magnolia fuscata
Maurandya Barcleyana
Musa martinii
Nipa frutescens
Nyctocalos Thomsoni
Opuntia Brachyarthra
" coccinellifera
" monocantha
" prolifera
" Rafinesque
Ornithogalum arabicum
Osmunda regalis
Oxalis cernua
" hirta
Panax Balfourii
Pancratium martinimum
Phaius Wallichii
Pittosporum eugenoides
" viridiflorum
Polygonum sachalinense
Pritchardia filifera
Prosopis specigera
Pseudophœnix Sargentii
Pterocarpus santalinus
Pyrethrum Parthenium aureum
Renanthera Imschootiana
Rhopaloblaste hexandra
Rhus succedanea
Romulea columnæ
Salisburia adiantifolia
Salvia prunelloides
" " (purple)
" splendens "silverspot"
Sanseviera cylindrica
Scilla clusi
Sedum Eversii
Solanum trilobatum
Stapelia grandiflora
" sp.
Streptocarpus sp.
Trachylobium hornemanianum
Triteleja uniflora
Vanda amesiana
" Denisoniana Hebraica
" undulata
Zephyranthes sulphurea.

M.—THE VICTORIA & ALBERT MUSEUM.

REPORT OF THE ACTING SECRETARY AND CURATOR, VICTORIA AND ALBERT MUSEUM, RECEIVED UNDER HIS No. 151, DATED 20TH MAY 1902.

1. In the Natural History Division the department of Mammals received numerous skulls and horns of African mammals, the most important among them was a mounted skull of the Cape buffalo (*Bos caffer*). Also two panthers (*Felis pardus*), one large red flying-squirrel (*Pteromys inornatus*), one Indian gazelle (*Gazella bennetti*), two Malay bears (*Ursus malayanus*), one spotted deer (*Cervus axis*), and three marmosets (*Jacchus vulgaris*), which died in the Victoria Gardens, were forwarded by the Superintendent to the Museum, and such specimens as were in good order had their skins cured and preserved for exhibition at the Museum. To the department of Birds several minor specimens were added during the year. The department of Reptiles received very few additions. To the department of Fishes and Crustaceans numerous minor specimens were added, the most prominent among them was an amphibious eel (*Amphipnous cuchia*), from Tientsin, by presentation from Mr. Imdad Ali of the Commissariat Department, North China. The department of Entomology received numerous specimens of butterflies, beetles and other insects. The department of Geology received by presentation from the Government of Bombay a piece of an aerolite which fell on the night of the 10th June 1901 near Sindhri, a village in the Thár and Párkar district of Sind.

2. During the year under review six skins of mammals were cured and three smaller specimens were stuffed and mounted for exhibition purposes. In the department of Birds twenty-six birds were skinned and their skins were cured, stuffed and mounted. The collections of Reptiles, Fishes and Crustaceans were now and then examined, and the additions made to the departments were cured and preserved in spirits of wine. The Entomological collection also was constantly examined, and the specimens added during the year were cured, preserved and mounted for exhibition at the Museum.

3. In the Division of Anthropology several important additions were made during the year. The department of Artware received sixteen specimens of Madras and Burmese silver work and eight specimens of Kumta and Surat ivory and sandalwood work. Also one hundred and fifteen specimens of lacquered ware were added to the department by presentation from Shett Madhavdas Trimback of Mahua, near Bhownugger in Kathiawar. The department of Numismatology received one gold coin, twenty silver coins and one copper coin by presentation from the Honorary Secretary, Bombay Branch, Royal Asiatic Society, agreeably to the Resolution of the Government of India, No. 46-1668-82 of the 9th October 1884. In the department of Artware and Manufactures the specimens of valuable cloths and other textile fabrics were constantly examined, and their cases were freely supplied with preservatives. As far as was known the specimens in the various departments were all in good order and preservation.

4. The Museum Library received very few additions.

5. During the year under review the Museum was open to the public for 313 days, and the total number of visitors was 668,700, showing a daily average attendance of a little over 2,136. During the previous year the Museum was open to the public for 312 days, and the total number of visitors was 824,289, showing a daily average attendance of a little over 2,641. The decrease during the year under report showed that the number of visitors to the Museum depended on a variety of causes, and fluctuated from year to year.

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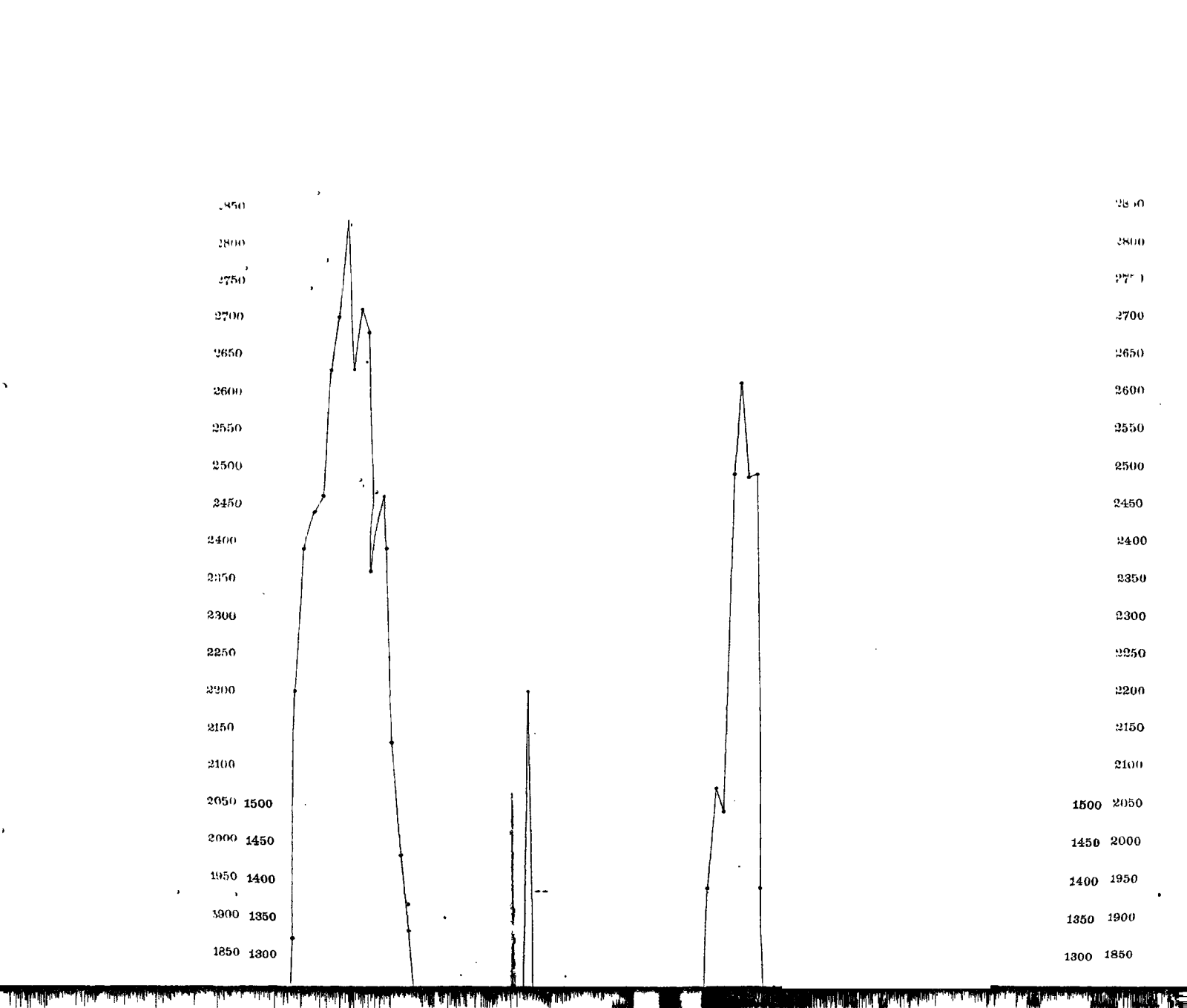
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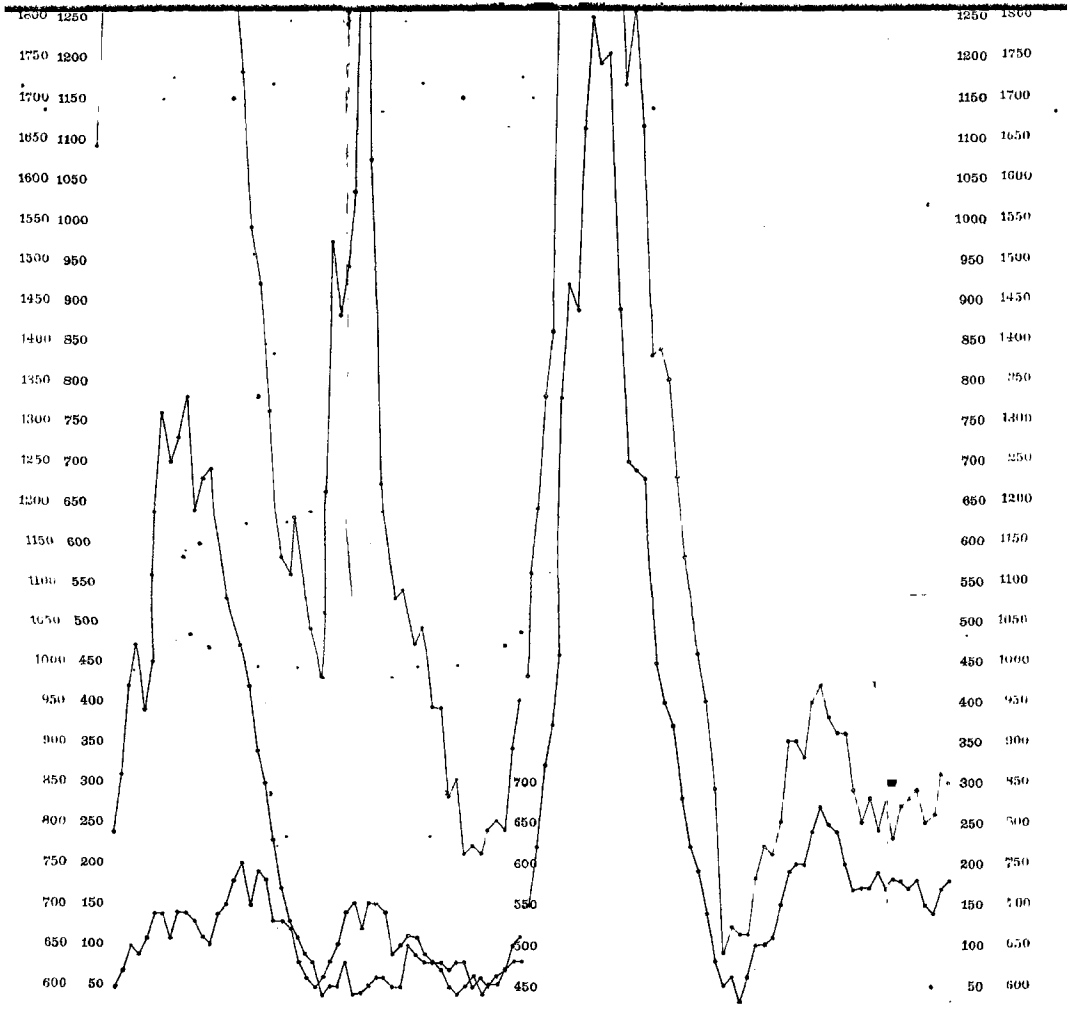

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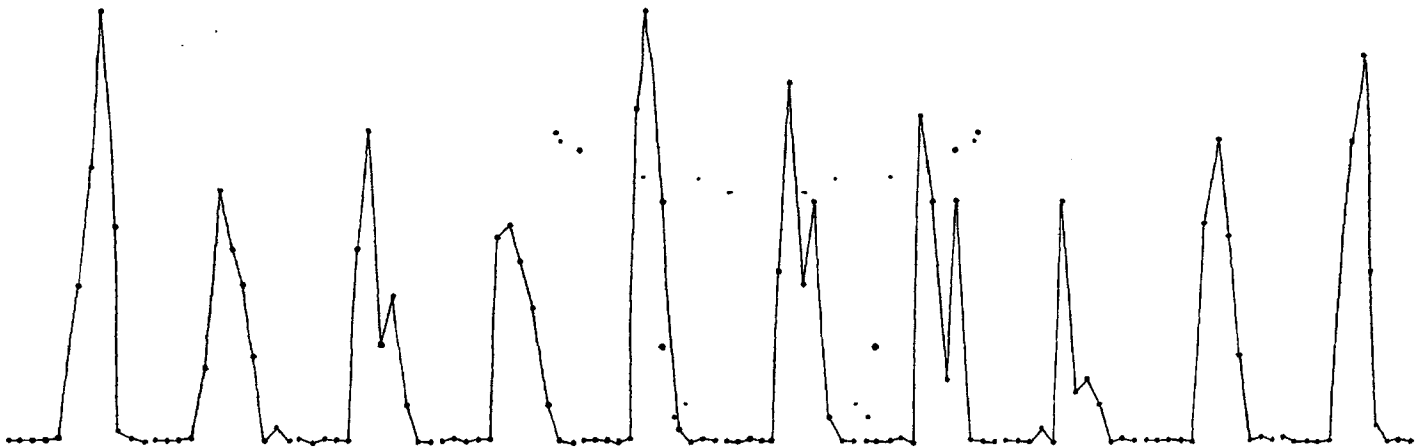


PUBLIC HEALTH.

I.—REPORT of the EXECUTIVE HEALTH OFFICER, INCLUDING THE REPORT OF THE MEDICAL OFFICER IN CHARGE, INFECTIOUS DISEASES HOSPITAL, ARTHUR ROAD.

II.—REPORT of the SUPERINTENDENT OF LICENSES.

III.—REPORT of the SUPERINTENDENT OF MARKETS.

1.—REPORT OF THE EXECUTIVE HEALTH OFFICER FOR 1901.

I have the honour to forward herewith my Annual Report for the year 1901.

General condition in the City predisposing to sickness, high death-rate and lowered vitality.

In reviewing the history of the health of the City during the past year, it is necessary consider the hygienic aspect apart from Plague.

2. The City of Bombay is situated on an area which formerly consisted of a group of small ands which have gradually become one by the extension of the layer by reclamation and ing in of the landlocked space of seas.

Area of the City.

The area of the Island is 22·41 square miles. The configuration of the Island is made o parallel ridges of hills, the space between forming a basin, which in parts is below the high water mark.

This configuration must be considered in dealing with the hygienic aspects as in times parts of the Island are flooded.

The dampness of the soil contributes a great factor in the health condition of a com-, and every precaution should be taken to dry the soil by drainage and preventing the water from the high levels flooding the lower levels. Owing to this peculiar configuration difficulty is experienced in draining the low-lying parts, but every attempt should be made vent further access of water by diverting all sewage and surface water directly away from s in proper channels and cementing the surface of the ground around houses, stables and ng places.

Climate.

4. Much interesting information is supplied by the Government Meteorological Observ-

Rainfall.

5. Great fluctuation are to be noticed in the rainfall in the observations taken in various of Bombay. Rain during 1901 was 75·32 inches. This was not spread all over the ny season, but ceased e er than usual.

A large portion this rain flows off the surface, some remains on the low-lying land, portion percolates the soil to increase the ground water, some is used up by vegetation, while e remainder evaporates. The influences at work, which affect the health of the people, are aporation, condensation and percolation.

TEMPERATURE, PRESSURE AND HUMIDITY.

Ground water.

6. The chief of these is the percolation through the soil to increase the ground water.

The most unhealthy places are those in which the ground water is highest and those that are liable to fluctuations, as in addition to the ground water always present, the low-lying parts of Bombay received polluted water from the higher levels.

The raising of these parts by filling in does not reduce the height of the ground water, but increases it in that locality unless provision is made for drainage before filling in.

Increase in sickness during and immediately after the rains is chiefly due to the dampness of the soil and moisture of the atmosphere around dwellings, as the ground water rises after heavy rains, the polluted ground air is forced out into houses. In most of the houses

of the poorer classes the floors are of mud and cowdung, and the people sleep on the ground. Diseases, of the Lungs, Rheumatism and Malaria are the results. Improvement in the general health of a locality has always been found to follow draining of the soil.

Temperature.

7. Appended to this report is a complete table under number XXVIII giving the variations in Temperature, Pressure, Humidity, Rain and Wind.

Seasonal influence on diseases.

8. In the table appended at page number 452 will be seen the seasonal influence on diseases. The cold weather season extending from December until March is the period of highest mortality, the hot weather from March until June the lowest, and from June until November the period of seasonal increase in the mortality.

The low vitality of the poorer classes of Hindus renders them easily susceptible to seasonal influence.

Apart from Plague, which has its periodical rise in the cold weather months, diseases of the Respiratory System play great havoc among the poorer classes.

In the cold weather, when they are obliged to sleep indoors in an overcrowded and vitiated atmosphere, Plague spreads rapidly, while the cold air easily affects them when exposed to it, causing chill and disease of the Respiratory System.

The improvement in the health of the people is very noticeable when they vacate their houses for well ventilated camps.

Population.

9. The population of the City estimated by the Census of 1901 was 776,006, and it is on this population that all the statistics except those of age-periods are based, as the information regarding the population by age-periods adopted in the last Census was not available in time.

Births.

10. The number of births registered during the year was 13,520, being 832 more than the previous year, and 1,656 more than the average of the preceding five years, giving a birth-rate of 17·42 per 1,000 of population.

11. In my report for the last year, I alluded to the difficulties in obtaining an accurate return of the births in the City.

In this year's report I state what has been done to improve the system of Birth and Death Registration. According to the Census Returns there were 171,122 females between the ages of 15 to 45. The proportion of males to females was 161·96 to 100.

12. The number of births registered was, however, 832 more than last year. Of the number of births 7,085 were males and 6,435 females; and 2,153 still-born births were registered during the year under report.

Birth-rate amongst Parsees is a little higher and that amongst Europeans a litter lower than in the previous year.

TABLE SHOWING THE NUMBER OF BIRTHS AND THE BIRTH-RATES BY CLASSES IN 1901.

Classes.	Population by Census of 1901.	Number of Births.	Birth-rate per 1,000 of Population.
Jains	14,248	393	27·58
Brahmins	31,078	332	10·68
Lingaets	2,144	2	·93
Bhatias	5,359	103	19·22
Hindus of other castes	396,501	6,194	15·62
Do. low-castes	73,617	2,096	28·47
Mussalman	155,121	2,416	15·57
Parsees	46,231	1,140	24·65
Jews	5,357	130	24·26
Native Christians	29,645	472	15·92
Eurasians	3,258	81	24·86
Europeans	12,273	147	11·97
Negro-Africans	626	2	3·19
Buddhists	395	5	12·65
Other and unknown castes	153	7	45·09
Total	776,006	13,520	17·42

13. The number of deaths in the City of Bombay during 1901, exclusive of still-born, was 59,495, being 19,855 less than in 1900, but 5,677 more than the average for the past five years; giving an annual death-rate of 76·66 per 1,000 of the population. Mortality Death-rate.

14. The death-rate from all causes during the past 11 years was—

Years.	Death-rate.
1891 ...	29·01
1892 ...	32·26
1893 ...	28·16
1894 ...	53·25
1895 ...	30·52
1896 ...	40·71
1897 ...	58·28
1898 ...	63·23
1899 ...	68·07
1900 ...	96·56
1901 ...	76·66

15. The principal zymotic diseases under the heading of which deaths are returned in Bombay, are Plague, Cholera, Small-pox, Measles, Ague, Enteric Fever, Puerperal Fever, Relapsing Fever, Remittent Fever, Whooping Cough, Dysentery and Malaria. The number of deaths from zymotic diseases was 30,593, giving a zymotic death-rate of 39·42 per 1,000 of the population. Mortality from Zymotic Diseases.

The following is the list of the deaths from each zymotic disease during 1900 and 1901 :—

	1900.	1901.
Plague	13 285	18,736
Cholera	4,273	198
Small-pox	3 018	159
Measles	1,500	67
Whooping Cough	214	97
Enteric Fever	60	62
Remittent Fever	7,278	7,266
Relapsing Fever	1,094	1,560
Malarial Ague	545	480
Dysentery	2,826	1,341
Puerperal Fever	860	514
Simple Continued Fever	45	113
Total ...	34,998	30,593

16. During the greater part of the year, the control of all Plague measures was under Government as in previous year. In October I took over the duties of supervision in addition to my own, and the control of Plague is now in the hands of the Health Department. Plague.

I will allude here briefly to the Plague Epidemic during 1901.

17. The mortality from Plague began its seasonal rise in December 1900 and reached its maximum in February 1901 and then declined.

18. There were 21,006 attacks and 18,736 deaths from Plague during the year as against 17,913 attacks and 13,285 deaths during the last year.

19. As in previous years the general Hindu Community suffered severely, the mortality amongst this class being 12,418 as against 9,030 during the last year.

There was also an increase in the number of deaths from Plague in all the communities except Europeans, who show 10 cases as against 11 of the last year.

20. There was a marked reduction in the number of deaths occurring in Upper Colaba, Esplanade, Chaupati, Walkeshwar and Tarwari, as compared with the last year. The increase in Mahim is, no doubt, due to the movement of the population there.

21. A total of 12,611 deaths occurred amongst males and 6,125 amongst females. The age-period of males was from 14 to 44 years and amongst females from 10 to 34 years, the highest mortality occurred. Plague Mortality by Sex and Age.

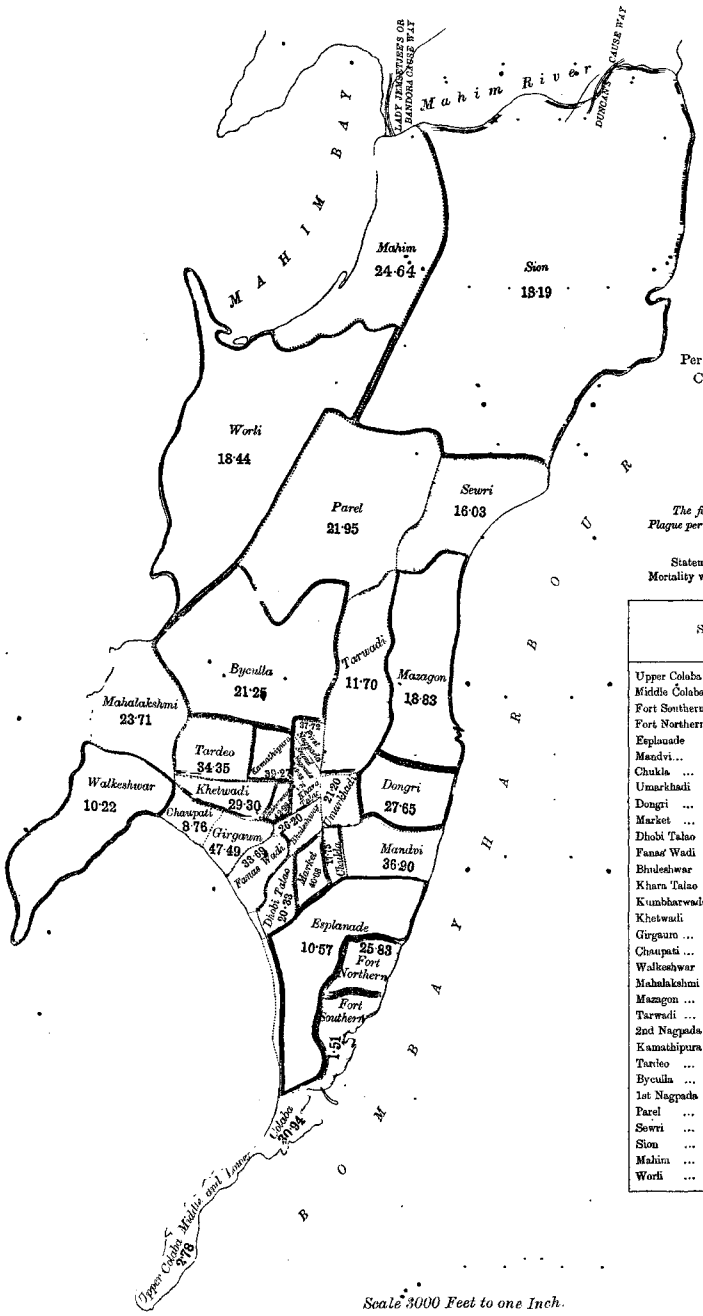
22. The highest total mortality was recorded in the month of March, the number being 4,697, February coming next with 3,850 deaths ; the lowest mortality was in June, 312 deaths being recorded. From June the mortality rose gradually to the end of the year, 732 deaths being recorded in December. Plague Mortality by Months.

The Plague mortality was highest on the 26th February, 214 deaths being registered, while on the 25th of February the highest daily mortality for the year was recorded, *viz.*, 40[illegible].

Statement showing the number of Attacks and Deaths from Plague and the Total Deaths by Days in 1901 (including Still-born).

Date.	January.			February.			March.			April.			May.			June.			July.			August.			September.			October.			November.			December.			Remarks.
	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	
1 ...	34	22	144	75	111	291	132	168	344	106	106	253	36	55	197	22	18	137	10	8	83	11	26	126	29	31	132	32	29	144	16	21	113	32	27	134	
2 ...	9	20	137	180	105	272	198	171	358	142	106	238	82	54	197	22	17	132	16	16	104	22	24	118	10	36	153	17	17	118	21	27	105	27	37	120	
3 ...	32	27	131	109	104	286	161	195	389	114	91	257	70	63	193	16	20	135	7	7	89	16	20	113	51	33	124	32	19	117	25	21	124	69	22	118	
4 ...	55	35	162	134	125	298	130	205	404	129	92	235	69	50	170	18	14	140	13	7	78	27	21	106	30	35	129	25	26	135	25	33	133	33	20	103	
5 ...	37	29	161	169	130	277	238	173	372	112	108	271	46	44	212	16	14	129	8	10	111	14	28	113	35	25	122	22	19	104	24	28	124	36	18	120	
6 ...	65	33	175	178	126	266	166	165	340	102	100	245	56	67	209	19	13	122	21	12	95	21	21	109	21	34	146	16	39	131	20	27	106	24	23	129	
7 ...	33	38	187	146	124	289	214	181	399	118	93	272	61	42	179	10	13	121	5	13	90	17	19	129	40	46	147	34	29	120	10	29	108	38	25	117	
8 ...	44	35	166	194	128	296	197	187	370	60	102	271	54	42	174	17	16	135	11	6	83	19	29	141	28	43	153	18	25	119	32	26	118	15	20	102	
9 ...	60	45	169	126	134	309	244	151	347	139	112	259	54	31	160	6	11	111	17	12	123	31	22	128	31	38	138	30	29	123	21	30	135	19	24	117	
10 ...	66	44	171	154	125	282	164	160	320	130	105	248	41	34	164	19	10	131	9	9	94	28	28	127	54	51	141	20	22	115	14	24	111	41	21	117	
11 ...	67	60	180	127	134	313	131	175	338	130	96	235	30	44	193	10	9	97	14	13	100	16	31	131	37	36	139	14	25	109	9	20	93	40	15	132	
12 ...	57	45	180	183	152	319	200	176	376	126	104	237	58	51	184	15	9	98	7	18	103	25	36	138	45	42	125	24	18	105	5	33	117	25	22	94	
13 ...	52	35	165	139	117	279	177	171	378	68	101	240	30	36	170	12	6	89	15	6	99	44	30	114	36	37	138	22	35	124	17	30	113	23	25	115	
14 ...	47	49	164	178	134	299	178	173	359	121	94	240	71	51	188	10	12	97	15	15	106	60	23	118	31	23	131	20	24	112	43	28	125	43	14	99	
15 ...	51	52	163	153	130	277	276	179	343	71	95	243	58	38	205	5	12	98	11	20	115	28	33	142	29	35	129	29	24	114	23	26	110	33	21	126	
16 ...	59	46	170	193	136	314	183	171	375	122	89	224	33	44	195	12	7	90	25	21	121	33	26	136	13	32	122	19	25	122	41	21	131	22	22	132	
17 ...	78	44	174	139	114	311	197	180	373	105	83	225	55	36	167	9	5	87	20	17	112	17	32	125	27	44	150	24	27	133	27	22	115	44	24	115	
18 ...	65	44	203	149	133	298	182	179	346	100	74	197	56	32	142	8	3	86	29	16	95	39	35	126	44	29	123	23	24	101	43	32	127	37	29	123	
19 ...	59	48	184	176	127	265	197	154	318	91	66	197	38	22	145	10	11	100	20	13	109	29	24	127	37	36	127	21	31	123	62	22	103	33	89	121	
20 ...	60	58	192	134	118	311	140	152	316	94	65	188	16	24	129	9	5	83	25	14	107	34	27	126	26	37	140	16	24	116	39	29	125	35	22	110	
21 ...	63	56	193	134	142	346	210	149	296	67	62	198	48	34	149	6	6	101	15	22	109	28	34	119	26	33	123	28	22	114	33	31	130	41	24	140	
22 ...	73	73	220	190	145	322	206	114	279	72	67	215	39	34	145	7	12	96	21	12	131	28	26	154	22	41	132	35	26	123	47	31	148	23	20	113	
23 ...	83	57	197	174	151	346	141	147	296	60	45	163	19	28	140	8	9	89	16	12	108	32	31	133	37	37	119	24	28	108	49	20	111	15	30	132	
24 ...	78	66	190	169	163	366	136	114	264	78	49	172	39	24	136	7	10	100	6	19	112	16	28	124	43	36	147	18	19	123	52	20	112	48	20	121	
25 ...	75	73	204	160	183	409	94	109	252	81	49	181	34	38	178	4	8	102	7	18	113	30	29	115	24	27	136	24	25	110	16	22	111	36	19	173	
26 ...	83	57	188	180	214	395	129	100	246	78	59	190	24	31	143	12	9	97	16	10	91	31	26	122	39	28	133	28	32	124	40	22	94	27	27	114	
27 ...	80	63	205	205	175	385	115	121	279	68	63	218	29	19	129	11	13	97	27	19	125	19	29	129	18	33	131	18	24	105	27	34	122	41	25	129	
28 ...	85	58	193	172	170	363	127	87	238	54	63	231	29	18	142	5	4	115	8	14	104	38	42	147	22	25	114	36	32	108	49	17	106	46	24	110	
29 ...	97	91	242	...	...	...	94	88	228	44	62	200	24	30	159	13	10	84	5	19	112	30	32	140	22	28	139	24	29	117	42	24	121	28	25	109	
30 ...	113	107	268	...	...	...	103	115	252	78	58	198	23	18	107	9	6	87	12	15	104	13	30	130	37	36	118	37	28	116	38	25	127	32	26	126	
31 ...	117	101	249	...	...	...	68	87	228	...	...	...	17	24	140	...	...	...	19	18	119	28	40	133	...	...	...	34	13	115	...	...	...	43	32	132	
Total ...	1,971	1,609	5,727	4,420	3,850	8,784	5,128	4,697	10,028	2,860	2,459	6,741	1,339	1,152	5,141	347	312	3,186	450	431	3,245	824	882	3,930	944	1,048	4,001	764	789	3,648	910	775	3,519	1,049	732	3,703	

PLAGUE.



Scale 3000 Feet to one Inch.

1901.

Total Attacks...21,006

" Deaths ...18,736

Per cent.

Proportion of Deaths to attacks . 89·19

Per thousand of Population according to the Census of 1901.—

Death-rate amongst Males ... ... 26·28

Death-rate amongst Females... ... 20·67

The figures in each Section, show the death-rate from Plague per 1000, calculated on the Census of 1901.

Statement showing the week in which the highest total Mortality was registered in each Section in 1901.

Sections.	Highest Death-rate from all causes since Jan. 1901.	During week ending.
Upper Colaba	71·97	30th April.
Middle Colaba	120·79	26th February.
Fort Southern	26·32	15th January.
Fort Northern	125·03	12th February.
Esplanade	130·50	12th Do.
Mandvi...	209·14	19th March.
Chukla	116·28	26th February.
Umarkhadi	196·26	26th Do.
Dongri	224·69	26th Do.
Market	195·21	12th Do.
Dhobi Talao	148·40	5th Do.
Fanas' Wadi	159·87	12th March.
Bhuleshwar	180·27	5th Do.
Khara Talao	165·41	19th Do.
Kumbharwada	222·79	5th Do.
Khetwadi	232·80	5th Do.
Girgaum	231·11	19th Do.
Chaupati	58·72	5th February.
Walkeshwar	84·06	9th April
Mahalakshmi	201·71	5th March.
Mazagon	159·21	19th Do.
Tarwadi	161·14	5th Do.
2nd Nagpada	248·72	5th Do.
Kamathipura	267·09	12th February.
Tardeo	254·79	5th March.
Byculla	307·15	19th Do.
1st Nagpada	345·63	5th Do.
Parel	246·06	5th Do.
Sewri	222·99	5th Do.
Sion	140·00	16th April.
Mahim	233·23	16th Do.
Worli	245·61	26th March.

Bombay City Press.

23. The measures adopted for controlling the disease were the provision of camps for those willing to evacuate Plague-stricken houses, disinfection by washing the rooms with Perchloride of Mercury and Phenyle and fumigation with Sulphur. Compulsory removal to Hospital was not enforced. Plague measures.

The disease was of a very virulent type, the mortality in hospitals varying from 79 to 91 per cent.

After all has been said and written, about Plague, it will not be necessary for me to enter into the subject. I must, however, mention that from the experience gained during the past years in preventive treatment of this disease the overcrowding, poverty and insanitary condition contribute largely to its spread.

Nothing can be more evident than that fresh air, sunlight and improved sanitary surroundings are antagonistic to the spread of the disease.

24. Over 13,000 persons were received in the Municipal camps during the Plague Epidemic of 1901. The percentage of deaths in these camps was 0·56.

25. About 25,000 people removed of their own accord into the private camps on the seaface and in the North of the Island.

26. In the following table it will be observed that there has been a marked decrease in the number of deaths from all diseases except Plague, which stood highest amongst them when compared with the figures of the previous year. Causes of Deaths compared.

TABLE SHOWING THE NUMBER OF DEATHS AND THE DEATH-RATE FROM DIFFERENT CAUSES IN 1900 AND 1901.

Cause of Death.	1900.		1901.	
	Number of Deaths.	Death-rate per 1,000 of Population according to the Census of 1891.	No. of Deaths.	Death-rate per 1,000 of Population according to the Census of 1901.
Small-pox	3,018	3·67	159	·20
Measles	1,500	1·82	67	·08
Fevers	7,928	9·64	7,921	10·20
Cholera	4,273	5·19	198	·25
Plague	13,285	16·16	18,736	24·14
Phthisis	8,199	9·97	6,516	8·39
Diseases of the Nervous System	4,328	5·26	2,971	3·82
" Respiratory System	12,522	15·23	7,804	10·05
Diarrhœa	5,850	7·11	2,375	3·06
Dysentery	2,826	3·45	1,341	1·72
Accidents	1,072	1·30	764	·98
All other Causes except Still-born	14,549	17·70	10,643	13·71
Total ...	79,350	96·56	59,495	76·66

The following table shows the total mortality by months, the highest being registered in the month of March :— Mortality by Months.

TABLE SHOWING THE NUMBER OF DEATHS FROM ALL CAUSES BY MONTHS IN 1900 AND 1901.

Months.	No. of Deaths from all Causes exclusive of Still-born in 1900.	No. of Deaths from all Causes exclusive of Still-born in 1901.
January	9,478	5,601
February	10,478	8,626
March	11,181	9,841
April	8,995	6,572
May	6,519	4,960
June	4,540	2,995
July	5,530	3,060
August	7,292	3,717
September	4,454	3,795
October	3,829	3,442
November	3,206	3,356
December	3,848	3,529
Total	79,350	59,495

Mortality among Males and Females.

28. 35,504 males and 23,991 females died during the year. Excluding those under five years, the highest number of deaths amongst males occurred in the age-period between 25 and 29 years, 4,286 deaths having been registered ; and amongst females 3,145 in the age-period of 60 and over.

29. From the table given below it will be seen that, amongst persons born in Bombay, 13,064 deaths were registered during the year and amongst those born outside of Bombay, 44,355. The places of birth of 2,076 persons could not be ascertained.

TABLE SHOWING THE NUMBER OF DEATHS, EXCLUSIVE OF STILL-BORN, ACCORDING TO PLACE OF BIRTH IN 1901.

Months.	Bombay.	Elsewhere.	Unknown.	Total.
January ...	1,295	4,065	241	5,601
February ...	1,724	6,611	291	8,626
March ...	1,979	7,534	328	9,841
April ...	1,417	4,934	222	6,573
May ...	1,307	3,490	163	4,960
June ...	803	2,081	111	2,995
July ...	494	2,476	90	3,060
August ...	1,126	2,494	97	3,717
September ...	1,094	2,566	135	3,795
October ...	746	2,584	112	3,442
November ...	622	2,615	119	3,356
December ...	457	2,905	167	3,529
Total ...	13,064	44,355	2,076	59,495

The death-rate by caste.

30. The death-rate by classes is shown in the following table. It will be seen from this that the Jain community, which includes Banias, excepting Negro-Africans, Buddhists and Lingaets, who form very small communities, show the highest mortality, *viz.*, 152·86 per 1,000 of population. Next comes Hindus, low-caste, the death-rate being 87·56. The general mass of the Hindu community give a death-rate of 85·42 and Mussalman 71·43. The death-rate amongst Parsis was 30·54, European death-rate being much lower than the last year.

TABLE SHOWING THE NUMBER OF DEATHS AND THE DEATH-RATE FROM ALL CAUSES BY CLASSES IN 1901.

Classes.	Population by Census of 1901.	Number of Deaths.	Mortality per 1,000 of Population.
Jains	14,248	2,178	152·86
Brahmins	31,078	2,003	64·45
Lingaets	2,144	144	67·16
Bhatias	5,359	355	66·24
Hindus of other castes	396,501	33,870	85·42
Do. low-caste	73,617	6,446	87·56
Mussalman	155,121	11,081	71·43
Parsees	46,231	1,412	30·54
Jews	5,357	203	37·89
Native Christians	29,645	1,355	45·70
Eurasians	3,258	168	51·56
Europeans	12,273	189	15·39
Negro-Africans	626	59	94·24
Buddhists	395	18	45·56
Other and unknown castes	153	14	91·50
TOTAL ...	776,006	59,495	76·66

Small-pox.

31. 159 deaths occurred during the year as compared with 3,018 in 1900. The disease did not assume an epidemic form.

Abstract of Monthly Return of Vaccination by the Superintendent of Vaccination, Presidency Circle, Bombay, for the year 1901.

| Months. | PRIMARY VACCINE OPERATIONS. | | |

32, 198 deaths from Cholera were registered during the year as compared with 4,273 deaths in 1900. The disease did not assume an epidemic form. The highest number of deaths from this disease was registered in the month of August. Of the total number of deaths 131 occurred amongst Hindus of other caste, and 28 amongst Hindus, low-caste, and 18 amongst Mussalmans. A total of 36 deaths occurred amongst persons who had resided in Bombay for 3 months and under, and 21 deaths amongst those who resided in Bombay for 6 months and under. The greater number of deaths occurred in persons born outside of Bombay.

TABLE SHOWING THE NUMBER OF ATTACKS AND DEATHS FROM CHOLERA BY SEX IN 1901.

Sexes.	Cases.		Percentage of Deaths to Attacks.
	Attacks.	Deaths.	
Males	147	135	91·83
Females	66	63	95·45

TABLE SHOWING THE NUMBER OF ATTACKS AND DEATHS FROM CHOLERA BY MONTHS IN 1901.

Months.	Attacks.	Deaths.
January	16	16
February	15	18
March	20	18
April	16	14
May	10	7
June	8	8
July	18	18
August	48	47
September	32	23
October	11	11
November	10	9
December	9	9
Total	213	198

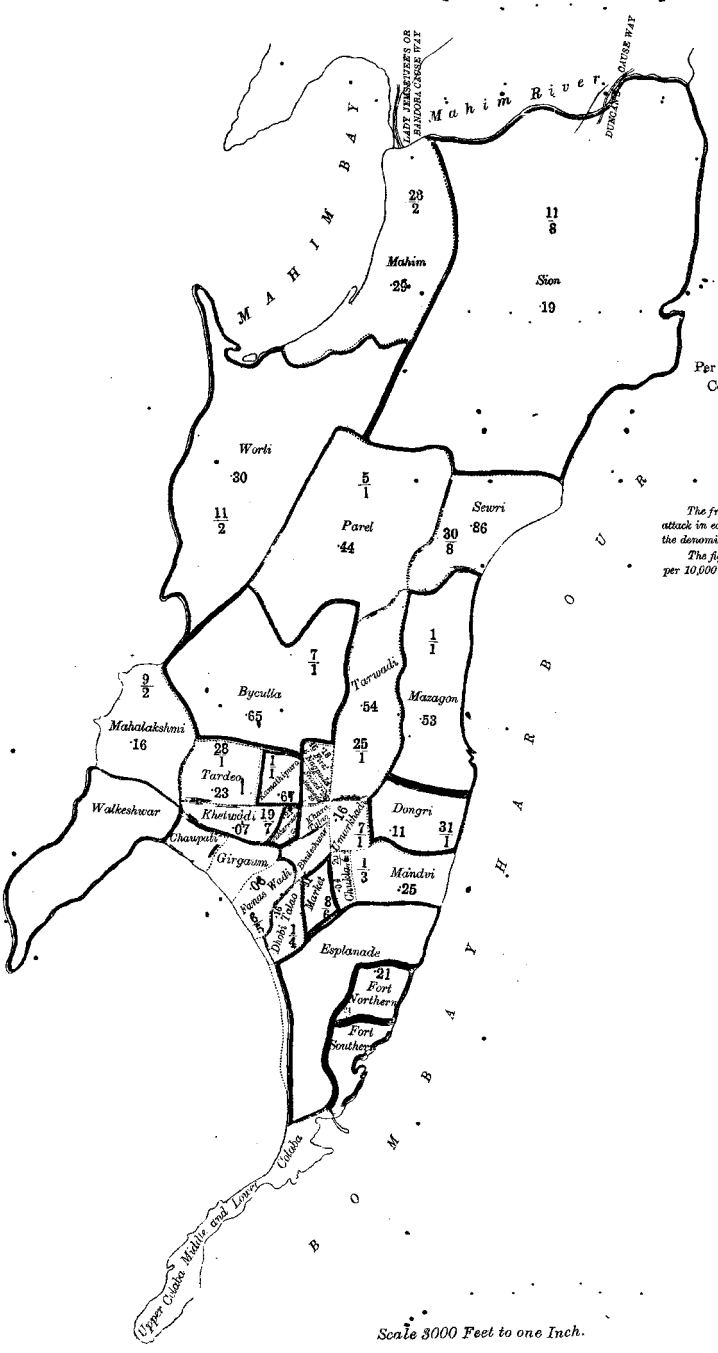
TABLE SHOWING THE NUMBER OF ATTACKS AND DEATHS FROM CHOLERA ACCORDING TO DURATION OF RESIDENCE IN BOMBAY IN 1901.

Duration of Residence in Bombay.	Cases.		
	Attacks.	Deaths.	Percentage of Deaths to Attacks.
Under 3 months	40	36	90·00
„ 6 „	21	21	100·00

TABLE SHOWING THE NUMBER OF ATTACKS AND DEATHS FROM CHOLERA ACCORDING TO PLACE OF BIRTH IN 1901.

Birth-place.	Cases.		
	Attacks.	Deaths.	Percentage of Deaths to Attacks.
Bombay	19	18	94·73
Elsewhere	194	180	92·78

CHOLERA.



1901.

Total Attacks.... 213

" Deaths 198

	Per cent.
Proportion of Deaths to attacks ...	92·95

Per thousand of Population according to the Census of 1901.—

Death-rate amongst Males	·28
Death-rate amongst Females...	·21

The fractional figures in red show the date of the 1st attack in each Section, the numerator showing the day and the denominator the month.

The figures in black show the death-rate from Cholera per 10,000 calculated on the Census of 1901.

Scale 3000 Feet to one Inch.

Bombay City Press.

33. A total of 7,921 deaths was registered from Fevers. Remittent Fever claims the highest number, *viz.*, 7,266, being 12 less than the last year and 1,476 more than the average of the previous five years. To Simple Continued Fever 113 deaths were ascribed, being 68 more than the last year and 368 less than the average of the previous five years. To Enteric Fever 62 deaths were registered, being 2 more than the last year and 20 more than the average of the last five years. To Ague 480 deaths were ascribed, being 65 less than the last year and 227 more than the average of the last five years. Out of the large number of deaths returned as due to Remittent Fever many may have been due to Relapsing Fever and Plague, as it is very difficult to diagnose the disease without strict examination being held in each case. It will be observed that the fever rose and fell with the mortality from Plague. It rose from January to March, when 1,310 deaths were registered. The highest number of Plague deaths registered in the month of March was 4,697. From the month of April Fevers gradually decreased till the end of the year. Fevers.

TABLE SHOWING THE NUMBER OF DEATHS FROM FEVERS BY MONTHS IN 1901.

Months.	Number of Deaths from Fevers.
January ...	592
February...	989
March ...	1,310
April ...	999
May ...	887
June ...	462
July ...	455
August ...	457
September ...	474
October ...	449
November ...	428
December ...	419
Total ...	7,921

34. Excluding Jains, which form a very small community, there was a slight increase amongst the Hindus of other castes, the rate being 13·42 as against 10·10 in the previous year. A great decrease is noticeable amongst Hindu low-castes, the rate being 9·57 as against 22·18 in the previous year. Mussalman give a death-rate of 6·60 as against 9·17 of the previous year.

35. Dongree, Mazagon, Byculla, Tarwady and Parel give the highest incidence of Fever mortality. Fever mortality by Section.

36. To Relapsing Fever 1,560 deaths were due, being 466 more than in the previous year. The highest number of deaths from Relapsing Fever were registered in the month of May when 220 deaths were registered. From October the disease decreased gradually till the end of year. Relapsing Fever

STATEMENT SHOWING THE DEATHS FROM RELAPSING FEVER BY MONTHS DURING 1901.

Months.	Number of Deaths.
January	130
February	192
March	170
April	175
May	220
June	116
July	72
August	92
September	131
October	102
November	80
December	80
Total	1,560

Measles.

37. 67 deaths were registered from this disease, being 1,433 less than in the last year and 777 less than the average of the preceding five years. The disease was of a mild type.

Phthisis.

38. 6,516 deaths were reported as due to Phthisis, being 1,683 less than in the previous year. Other diseases of the Respiratory System amount to 7,804 deaths under the heading of Bronchitis, Pneumonia, Pleurisy, &c.

39. There were 3,161 deaths amongst males and 3,355 amongst females due to Phthisis.

The most fatal periods of life amongst males and females were between the ages of 30 to 34. The female death-rate was nearly double that of male. Leaving out Negro-Africans, which is a small and fluctuating community, the mortality from this disease was high amongst Jains, even higher than the last year, but this is due to the fact that the Jain population by the Census of 1901 has decreased from 25,225 to 14,248. There is a decrease in the number of deaths amongst Mussulman, the rate being 13·89 against 17·78 in the last year. Fort, North, shows a death-rate higher than all the other Sections.

TABLE SHOWING THE NUMBER OF DEATHS AND THE DEATH-RATE FROM PHTHISIS BY CLASSES IN 1901.

Classes.	Population by Census of 1901.	Number of Deaths.	Death-rate per 1,000 of Population.
Jains	14,248	268	18·80
Brahmins	31,078	239	7·69
Lingaets	2,144	19	8·86
Bhatias	5,359	62	11·56
Hindus of other castes	396,501	2,933	7·39
Do. low-caste	73,617	637	8·65
Mussalman	155,121	2,156	13·89
Parsees	46,231	64	1·38
Jews	5,357	30	5·60
Native Christians	29,645	75	2·52
Eurasians	3,258	8	2·45
Europeans	12,273	1	0·08
Negro-Africans	626	23	36·74
Buddhists	395	1	2·53
Other and unknown castes	153	.....	.....
Total	776,006	6,516	8·39

STATEMENT SHOWING THE NUMBER OF DEATHS AND THE DEATH-RATE FROM PHTHISIS BY SECTIONS IN 1901.

Wards.	Sections.	Population by Census of 1901.	Number of Deaths.	Death-rate per 1,000 of Population.
A	Colaba... Upper	3,956	5	1·26
	Colaba... Middle and Lower	13,023	76	5·83
	Fort..... Southern	3,309	1	·30
	Fort..... Northern	22,956	163	7·10
	Esplanade	10,398	17	1·63
B	Mandvi	31,402	371	11·81
	Chukla	24,384	343	14·06
	Umarkhadi	48,481	704	14·52
	Dongri	25,778	211	8·18
C	Market	28,415	258	9·07
	Dhobi Talao	29,553	203	6·86
	Fanaswadi	16,354	127	7·76
	Bhuleshwar	30,229	461	15·22
	Khara Talao	23,161	354	15·28
	Kumbharwada	27,544	333	12·08
D	Khetwadi	27,160	206	7·58
	Girgaum	14,866	216	14·52
	Chaupati	6,729	16	2·37
	Walkeshwar	10,563	27	2·55
	Mahalakshmi	18,092	98	5·41
E	Mazagon	27,933	168	6·01
	Tarwadi	18,460	80	4·33
	2nd Nagpada	18,591	295	15·86
	Kamathipura	26,706	324	12·13
	Tardeo	20,958	164	7·82
	Byculla	57,646	453	7·85
	1st Nagpada	10,577	70	6·61
F	Parel	33,390	203	6·07
	Sewri	9,294	36	3·87
	Sion	25,443	84	3·30
G	Mahim	27,386	202	7·37
	Worli	45,588	243	5·33
Harbour, Docks, Railways and Homeless		37,681	4	0·10
	Total...	7,76,006	6,516	8·39

TABLE SHOWING THE NUMBER OF DEATHS FROM PHTHISIS AND THE DEATH-RATE AT DIFFERENT PERIODS OF LIFE BY SEX IN 1901.

Ages.	Males.			Females.			Persons.		
	Population.	No. of Deaths.	Death-rate per 1,000 of Population.	Population.	No. of Deaths.	Death-rate per 1,000 of Population.	Population.	No. of Deaths.	Death-rate per 1,000 of Population.
Under 1 Year	12,427	18	1·44	12,864	19	1·47	25,291	37	14·62
From 1 to 2 Years.	6,619	25	3·77	6,884	34	4·93	13,503	59	4·36
„ 2 to 3 „	6,893	27	3·91	7,250	19	2·62	14,143	46	3·25
„ 3 to 4 „	6,368	14	2·19	6,564	14	2·13	12,932	28	2·16
„ 4 to 5 „	.....	24	...	.....	15	...	.....	39	...
„ 5 to 9 „	33,969	61	1·79	32,229	101	3·13	66,198	162	2·44
„ 10 to 14 „	47,664	160	3·35	30,242	271	8·96	77,906	431	5·53
„ 15 to 19 „	57,181	201	3·51	33,598	349	10·38	90,779	550	6·05
„ 20 to 24 „	74,160	320	4·31	37,485	450	12·00	111,645	770	6·89
„ 25 to 29 „	72,650	407	5·60	31,282	426	13·61	103,932	833	8·01
„ 30 to 34 „	61,687	450	7·29	27,079	449	16·58	88,766	899	10·12
„ 35 to 39 „	38,190	287	7·51	16,568	254	15·33	54,758	541	9·87
„ 40 to 44 „	38,287	405	10·57	20,182	322	15·95	58,469	727	12·43
„ 45 to 49 „	18,263	175	9·58	9,297	131	14·09	27,560	306	11·10
„ 50 to 54 „	20,825	253	12·14	13,443	195	14·50	34,268	448	13·07
„ 55 to 59 „	7,251	79	10·89	4,565	75	16·42	11,816	154	13·03
„ 60 and over ...	15,659	255	16·28	14,139	231	16·33	29,798	486	16·30
Total ...	518,093	3,161	6·10	303,671	3,355	11·04	821,764	6,516	7·92

Infant Mortality.

40. The number of children under one year of age dying during the year was 7,768, being 5,724 less than in the previous year.

According to the Census population of 1901 the number of children under one year of age is 9,930, whereas according to the Census of 1891 it was 25,291. If these figures remain good, then the mortality of children under one year of age calculated on that basis would be 782·27 per 1,000 of infants under one year of age.

The number of births registered during the year was 13,520, giving an infant mortality of 574·5 per 1,000 of the births.

41. The system of Registration of Births was not satisfactory. Hitherto the system adopted was by employing birth Karkoons to visit houses in different sections and to inquire into the births.

This system naturally failed to obtain accurate results. I published the section of the Act and also had it circulated throughout the City explaining that all parents or persons in charge are so liable to give information of any birth subject to a penalty. The new ten Dispensaries are Registration Offices, and notice to that effect has been well published. More information has already been gained, and when the people become familiar with the system we shall be in a position to ascertain all births occurring in the City.

It may be necessary to bring the section of the Act into force and prosecute parents who do not register the births.

42. Small-pox and Measles prevailed during the year in a mild form, and accounted for 36 and 17 deaths of infants under one year of age, respectively. Diseases of the Respiratory System are stated as being responsible for 1,536 deaths of infants as against 2,062 in the previous year, while under the heading of Diarrhœa 484 deaths are given as against 1,094 in the previous year.

43. The other causes given are Diseases of the Nervous System (1,906) and Debility (2,638), of the latter 1,944 were under thirty days.

44. I have already presented an exhaustive report to the Corporation on the causes of the Infant Mortality.

General.

45. From Diseases of the Digestive System 4,872 deaths were registered, being 5,632 less than in the previous year, and 815 less than the average. Diarrhœa, Dysentery and other Diseases of the Digestive System show a great decrease both against last year and on the average. To Diseases of the Nervous System 2,971 deaths were registered, being 1,357 less than the last year, but 105 more than the average. 7,804 deaths were ascribed to Diseases of the Respiratory System, being 4,718 less than in the last year, and 753 less than the average. To Diseases of the Circulatory System, 297 deaths were registered, being 51 less than in the last year, and 5 less than the average. The comparison of other diseases is shown in the following table :—

Diseases.	Mortality.	Incidence.	Average.	Remarks.
Urinary	232	—59	+33	
Generative	333	—205	—228	
Locomotion and Cellular Tissue ...	138	—56	—16	
Cutaneous	40	—45	—17	
Dropsy	112	—167	—76	
Leprosy	97	—41	+25	
Eye, Ear and Nose	8	—10	—4	
Premature Birth	80	—33	+28	
Debility	2,915	—1,539	+260	
Old Age	1,717	—392	—321	
Accidents and Violence	764	—308	+126	
Unspecified Causes	47	—313	—62	

46. There were 60 deaths due to poison, 30 suicidal and 28 accidental. Of the latter 10 were from snake-bite, and in two instances the circumstances, under which deaths took place, were not known. 557 deaths were due to injuries. There were 147 deaths from drowning, 48 being suicidal, 54 accidental, and in 45 instances the circumstances, under which deaths took place were not known.

47. No new burial ground was opened during the year.

48. In Appendix B. at the end of the report will be found a table showing how the head of the various communities were disposed of.

49. The following sections, among others, show the highest rate of mortality:—Girgaum, Kamathipura, Dongri, Kumbharwada, Mandvi, 2nd Nagpada, Market and 1st Nagpada.

In Girgaum, where there is no overcrowding of population, the result is slightly misleading, as the difference in population should be taken into account. According to the new Census the population of Girgaum has much decreased from 26,999 to 14,866, and the calculations are made on the Census of 1901. Had they been made on the Census population of 1891 the mortality rate would have in every case been less this year than in the previous year. The crowded sections of Byculla, Mandvi, Umerkhadi, Bhuleshwar, Khara Talao, Kumbharwada, Kamathipura, Dhobi Talao, and Market show a death-rate ranging from 69·90 to 111·28. Leaving out Fort, South, which residentially is a very small quarter, Upper Colaba has the lowest death-rate, *viz.*, 23·76.

50. The three Dispensaries provided by the Municipality have done excellent work during the year, 1,67,361 patients were treated against 1,45,341 in the previous year and report made weekly to the Health Department of the incidence of various diseases. Municipal Dispensaries.

The diseases generally treated at these Dispensaries were, Relapsing Fever, Malaria, Respiratory Diseases, Skin Diseases, Tuberculosis, Anæmia, Diarrhœa and Dysentery. Plague and Relapsing Fever cases, which could not be sent to Hospitals, were treated by the Medical Officers at the patients' own houses.

Notification of Infectious Diseases under Section 421 of the Municipal Act.

51. It is compulsory for every medical man practising in the City to notify causes of Infectious Diseases. This, however, had not been complied with in a satisfactory manner, although much information as to Plague has been forthcoming. I, therefore, issued Notifications and books of certificates and sent to each medical man, drawing his attention to the Section. Notifications Infectious Diseases.

(1) During the year 898 Notifications were received :—

Plague	887
Cholera	5
Small-pox	4
Typhoid Fever	...
Measles	1
Diptheria	...
Whooping Cough	...
Malaria	1
Phthisis	...

(2) On receipt of this notification the house is visited and, if possible, the patient removed to Hospital, but compulsory removal is not enforced. The house and clothing are disinfected. In the case of Small-pox the unvaccinated members of the household are persuaded to be vaccinated.

Registration of Births and Deaths.

52. Much improvement is noticeable in this direction. The Corporation adopted my suggestion for improving the system, and Registration Offices and Dispensaries have been opened in the City. Registration of Births and Deaths.

The system is now in working order and is under Medical supervision.

(2) Every medical man in the City has been supplied with a book of death certificates, and although these printed forms are not used by every one, much improvement is noticed. The Section of the Act requiring Death Certificate and Birth Certificate has been published in the Newspapers and leaflets issued all over the City. It will naturally take some time before accurate registration of the causes of deaths is obtained, but I notice much improvement. Every facility is given to the poorer people to obtain free medical relief and a Certificate of Death and also Registration of a Birth.

(3) The Dispensaries have already become popular and much valuable information as to prevailing sickness in the City will be forthcoming.

Public Health Administration.

53. I reported fully on the Conservancy system of the City, and the Corporation adopted most of my suggestions. Public Health Administration.

(2) The Conservancy system or scavenging of the City of Bombay has hitherto formed one of the chief duties of the Health Department. Owing to the conditions of life, habits and customs of the people and the indifference of the inhabitants generally to the most primitive

matters in connection with sanitation, the difficulty of keeping the City clean and free from refuse, both animal, vegetable and trade refuse is enormous.

(3) The onus of removing all refuse and night-soil rests entirely on the Municipality.

(4) The condition and construction of houses, the form of privy and cesspool, the absence of complete system of sewers in many parts of the City and the densely packed streets, lanes and bye-lanes all contribute to the gigantic task.

(5) It is very easy to argue that in order to improve and render this task lighter the City must be properly sewered and the overcrowded areas demolished, wider streets made and houses drained. But we have to deal with the City as it is, and while continually urging the Corporation to hasten the drainage of the City and improve the insanitary condition of houses and areas, I must direct my attention to the present condition of the City and advise on what I consider the best method of removing the refuse expeditiously and effectually. For the purpose of description the present system includes scavenging carts for removal of refuse from the streets and house-refuse, drain carts for cleaning out the storm-water and surface drains, into which sewage is also delivered, and the removal of dead animals; cesspool carts for emptying cesspools and receiving night-soil from the privies.

(6) For these purposes the City is divided into wards and sections. Each ward has a number of carts, bullocks, drain carts and cesspool carts.

(7) The cutchra and contents of the drain carts is taken for the most part to Tardeo Flats and thence to Deonar by rail. Some, however, in the Northern parts of the Island, is deposited on the reclamation grounds at Sion, Worlee, &c.

(8) It is comparatively easy to criticise any existing system, and in doing so one should be prepared to advocate a more efficient method. The customs and habits of the people, the climate and condition of living, the composition of food and waste products, the method of carriage and motive power, and last, but not least, the class of labourer himself, must all be considered.

Drainage and drain cleaning.

Drainage and drain cleaning.

54. As everything relating to drainage is intimately connected with the health of the City, a defective system of drains and sewerage disposal naturally militates injuriously on the health of a community, and until a complete system for the removal and disposal of sewage and storm-water has been provided which will at once effectually remove all sewage matter out of the City, any improvement in the public health of the City will necessarily be slow.

(2) The Health Officer is considered responsible for the health of a City and everything affecting it, and I do not know of any more dangerous element than incomplete system of sewage disposal.

Drain Carts.

55. These are iron carts which remove the silt and sewage matter from storm-water drains, into which sewage is discharged. They also collect such matters as cannot be conveniently carried by scavenging carts and convey it to Tardeo Flats.

(2) The present system of storm-water drains in the City is very defective; into most of these drains at some point or another sewage is discharged.

(3) These drains, then, instead of carrying off storm-water alone, are practically sewers, and as such very deficient and dangerous to health. They are constantly blocked, and for this reason have to be opened and cleaned.

(4) In order to do this, a notice has to be sent to the Engineering Department who open up the road. The Health Department then open the drain and clean it out and convey the contents to Tardeo.

(5) The Engineering Department repair the road and charge the Health Department for the work, thus placing an expenditure of Rs. 25,000 on the Health Department for work done owing to defective drains. I maintain that if the work of drain cleaning is to be done by the Health Department, the branch of the Engineering Department, known as the Drainage Ordinary Branch, should be directly under the control of the Health Officer, and that all matters affecting the sanitary conditions of the City should be directly under the control of the Health Department.

Cesspools and Carts.

56. There are 2,279 cesspools and 253 night-soil and cesspool carts in the City and 250 pairs of bullocks to work them.

These carts are used for conveying night-soil to the night-soil depôts and emptying cesspools in that part of the City which is not drained. These carts hold 150 gallons and constitute one of the most unpleasant features in the scavenging system. As long as the present system of privies and commodes exists and certain sections remain undrained, these carts will be required.

57. There are on an average 1,075 carts and 2,734 men and women employed in removing refuse. These carts are supposed to make 2, 3 and 4 trips daily to the Flats with refuse, and the distance they have to travel varies from 1 to 24 miles a day. Scavenging carts.

(1) The capacity of the carts is nearly 10 cwts. each, and the actual refuse conveyed by these carts to the Flats daily is about 810 tons.

(2) The cost of removing one ton of refuse from the City to Deonar is Rs. 1-6-4, excluding the cost of loading at Tardeo.

(3) The material at the disposal of the Divisional Health Officers for completely removing all the refuse, &c., is not sufficient for the following reasons :—

(*a*) The City is rapidly increasing even if the population by Census appears to be less, the number of houses and factories is much greater than it was 10 years ago.

(*b*) The extension of sewers and house-connections does not keep pace with the growth of the City.

(*c*) The number of cesspools to be emptied is double the number which could be kept empty.

(*d*) The depôts for night-soil are not sufficient, and bhangies have long distances to travel and empty their baskets.

(*e*) The distance to Tardeo Flats from many parts of the City is so great that many of the carts can only make two trips, each carrying 10 cwts., making a ton of refuse removed in one day.

(*f*) That more refuse is made by the increased growth of the town.

(4) If instead of removing the refuse by carts to the Flats it is taken to a depôt at the Railway station at Colaba and removed thence by rail, the number of carts, bullocks and drivers in A Ward can be reduced. The distance travelled by the carts would be one mile instead of 6. A cart working 10 hours a day including rest-time conveys one ton of refuse in two trips to the Flats about six miles each way. If instead of going six miles the refuse was only conveyed one mile, one pair of bullocks and a driver should remove six or, say, five tons daily, making 12 or 10 trips each way.

(5) I have addressed the B. B. and C. I. Railway proposing the establishment of a loading depôt at Carnac Bridge Goods Yard for the removal of the refuse from B. Ward, but the General Traffic Manager replies saying that he cannot undertake to make the arrangement.

(6) If the Railway Company had agreed to my proposal, we would have been able to remove the refuse, not only of B Ward, but also of certain parts of C Ward in the vicinity of this depôt.

(7) With a view to the establishment of similar depôts for other wards, I addressed the General Traffic Manager, G. I. P. Railway, but he informs me that, owing to want of suitable siding accommodation, it will not be possible for them to entertain my proposal.

(8) The Bombay Tramway Co. have also been addressed on the matter.

(9) In the similar way if night-soil depôts could be established in suitable places in all the wards, the distance now traversed by halalcores to empty their baskets would be reduced, and not only would the halalcore service be improved and the present complaint remedied, but also a great saving in expenditure would accrue.

(10) I, however, am strongly opposed to the system of hand removal of night-soil, and trust the Corporation will see their way to adopt a better system which I propose to suggest.

(11) I would also strongly recommend the consideration of steam or electric motor power for the removal of refuse. The disadvantages of the present system of removal by carts and bullocks must be very apparent to any observing person, and if it is not possible to provide steam or electric carts for the purpose, I would strongly urge that the Railway Company be again approached, and that in the future development of the Tramway system the advantage of providing facilities for refuse removal be not lost sight of.

(12) The chief points are :—

(*a*) A better system of refuse removal by making arrangements with the Railway Company and Tramway Company to receive and deliver refuse by rail from sidings in different parts of the City to Mahalaxmi and Deonar, and thus reducing the number of scavenging carts and bullocks and expediting the removal of refuse.

The Corporation agreed to this, and I trust some arrangements will be made.

(*b*) I advocated the appointment of a Superintendent of Conservancy, as I consider there is much room for improvement in this direction.

(*c*) I advised that the dual control now existing in the supervision of house-drainage and storm-water drainage should be abolished.

This is still under consideration.

(*d*) That more night-soil depôts be provided in order to facilitate the removal of the night-soil, as it will be some considerable time before the night-soil is removed directly by sewers or that the houses will be all on the water carriage system. More facility and a better system of removal should be adopted. This is also under consideration.

(*e*) I advocated a better form of privies and that an arrangement be made to prevent the liquid excrementitious matter from privies overflowing into the open drains and storm-water drains.

(*Housing of the working classes.*)

Housing of the working classes.

58. Housing of the working classes under the Municipal Act. The only powers given to the Health Department are to proceed against every case individually before a Magistrate who has to be satisfied that overcrowding exists or that a house is unfit for habitation. In practice this is impossible.

(1) Under the Epidemic Diseases Act a House Inspection Branch was constituted under the Executive Engineer, and houses unfit for human habitation were condemned under the Improvement Trust Act.

(2) The Executive Health Officer can report on houses which he considers unfit for human habitation. The Improvement Trust constituted in 1898 have already demolished a large number of houses, but up to the present no serious attempt has been made to provide accomodation for those displaced.

(3) What is urgently required is a class of chawls not more than three floors with single rooms with thorough ventilation and open space all round, suitable sanitary arrangements, and at a rent within the means of the poorer classes.

Much has been written about the conditions under which these poor people live—the overcrowding poverty and filthy surroundings, the dark, damp, ill-ventilated rooms have been commented on in many previous reports, but little has actually been done to relieve them.

(4) When an outbreak of Infectious Diseases occurs amongst this class of people, it is difficult to prevent its spread. Light and air with dry floors will do much to alleviate them, but under the present circumstances and conditions, these remedies are not forthcoming.

(5) The Improvement Trust should at once take up this question. Improvements should be in the direction of relieving congested areas and the condition of the working classes. The City must have its labour class, and it is false economy on the part of any authority or employer of labour not to provide suitable dwellings for the employed.

(6) There is plenty of space on the North of the Island where cheap houses could be built. These lands should be utilized and the densely populated parts of the town relieved. Cheap trains and trams could bring the people to their work. Common lodging houses or lodging houses under supervision could be provided.

(7) These chawls for accommodating the employés of the Municipality are for the most part of a very insanitary class and are quite inadequate, and I would strongly advise the Corporation to consider this question. They employ over 7,000 people who should be provided with better houses. Reports have been written on this subject, but the accommodation provided is still very unsatisfactory.

(8) The wages obtained by the cooly class including the cart drivers and bigarees is only a bare subsistence. The price of food and dwelling accommodation rises but the wages do not keep pace with them ; this question will have to be considered, and an increase in the wages of the labourers decided upon.

Drainage.

Drainage.

59. Much has been done in improving the drainage of the City during the year, a full report of which will be given by the Executive Engineer's Department. I will therefore restrict my remarks to what I consider directly affects the health of the people.

(1) With the exception of Malabar Hill and the North of the Island, sewers have been laid and houses are rapidly being connected.

(2) The object of sewering a town is to collect and convey sewage matter as quickly as possible from houses.

(3) In the larger portion of the City, the houses are provided with privies, and only the houses in the Fort and Cumballa Hill are provided with water closets connected with sewers,

(4) The night-soil from the privy is conveyed by hands to a depôt where it is discharged into the sewers and conveyed to Love Grove Pumping Station and discharged into the sea.

Thus, although sewers have been provided, their utility has to be augmented by hand labour.

(5) The narrow passage between the houses in the City is the gully in which the privy receptacles are situated, and from which men carry the night-soil in baskets. These gullies are practically open house drains, into which liquid and semi-solid excrementitious matter discharge into the sewers in the street by means of traps. These gullies vary from 1 to 5 feet and the number of privies from 1 to 20. The majority of these gullies have not impervious floors, and the sullage water soaks into the soil.

(6) The houses abutting on these gullies are provided with windows, out of which the house refuse is thrown in the gully below, and into which is received the foul air from the decomposing matter and damp foul air in the gully. Waste pipes from washing and bathing places in the houses discharge into these gullies, so that the surface of the gully is constantly damp. It is contended for this system that the open drain is more suitable to the habits of the people, and does not so readily get out of order, as the covered pipe drain and a water carriage system. I do not entirely agree with this, and some improvement is necessary in the condition of the gullies which are expected to provide a certain amount of ventilation to the house, but which ventilation consists of polluted air admitted through the windows.

(7) In my report I have advocated a better form of privy, and, in consultation with the Drainage Engineer, I propose to suggest some further improvement.

(8) The removal of night-soil by basket to a depôt at a distance vary from a few yards to a mile, and is a disgusting and primitive method, but it has become the only recognized system, and it will be difficult to alter it.

THE ADMINISTRATION OF THE HEALTH DEPARTMENT.

60. For the purpose of administration the City is divided into 4 divisions of 32 sections. In each division a Health Officer is appointed, who is responsible for the working of his division. These divisions are cut up into wards and sections, each division having its own office, stables and staff. Administration of the Health Department.

(2) The Divisions are—I.—Population 249,783—C. H. Cayley, M. D., D. P. H.

II.— „ 186,159—Mr. J. Leask.

III.— „ 198,963—W. Venis, M. R. C. S., D. P. H.

IV.— „ 141,101—Sorab C. Hormusji, D. P. H.

(3) The conservancy of the City is supervised by a staff of Inspectors and Sub-Inspectors acting under the directions of the Divisional Health Officers.

(4) Although certain administrative powers are given to the Divisional Health Officers they are only indirectly responsible.

(5) The object the Corporation had in view when adopting the existing system was to expedite the work, provide efficient supervision and relieve the head office of routine correspondence relating to departmental and conservancy work, and no doubt many of these objects have been attained. Complete decentralization, however, is not possible at the present time, for the reason that the City is not divided into separate corporate governing bodies for the purposes of sanitary administration, and all reports come through the Executive Health Officer and Commissioner to the Corporation.

(6) Much of the time of the Divisional Health Officers which is devoted to routine conservancy work and departmental office work should be given to matters which more directly affect the health of the people, and in the future these officers will devote more of their time to questions which have a direct bearing on the public health of the City.

(7) During the past three years, the investigation into the cause and control of all epidemics of infectious diseases has not been vested in the Health Department, and however keen a Health Officer may be, his ardour must be damped when his more important and interesting work is transferred to others unqualified in any way for the position.

(8) I trust now that the work of the Health Department has reverted to its proper channels, the Divisional Health Officer will have opportunities for advising on such matters as are legitimately connected with the duties of his office.

(9) In the Resolution of the Corporation approving and adopting the present system, it was urged that the Divisional Health Officers were to be highly qualified medical men especially trained and experienced in sanitary science, and with the exception of Mr. Leask, whose previous experience and special knowledge of the City placed him in an exceptional position, all the Divisional Health Officers are highly qualified medical men especially experienced and trained, with a thorough knowledge of the requirements in public health administration of a large area.

Municipal Laboratory.

Municipal Laboratory.

61. A most important part of the public health administration is the provision of a Municipal Laboratory for bacteriological and chemical investigation and analysis of food and drugs, and although this was proposed in the previous re-organization scheme was not provided.

(2) The Corporation, however, realize the necessity for this.

(3) A public Analyst is to be appointed for the examination of food, drugs, spirits, &c., and samples sent by Inspectors who will be appointed for the purpose.

Improvements Suggested.

Improvements suggested.

62. The chief points in which improvement is required are—

(*a*) The Conservancy System.
(*b*) Sanitary Inspection.
(*c*) Hospital Accommodation.
(*d*) Laboratory Accommodation.
(*e*) Registration of Births and Deaths.
(*f*) Medical Relief.
(*g*) Food Inspection and Milk Supply.
(*h*) House Drainage.
(*i*) Housing of the Employés of the Health Department.
(*j*) Housing of the poor and overcrowding.
(*k*) Investigation and Notification of Infectious Diseases.

(2) The Corporation, however, must be prepared to push on with the work of improving the system of drainage, water-supply and refuse disposal in the thickly populated parts of the City and housing of the working classes, and provide money for these purposes.

(3) In order to obtain a better system of supervision and inspection, I have instituted lectures and examinations to the Inspectors which the Divisional Health Officers have undertaken and have cordially co-operated with me in instructing the staff. Examinations were held, and only men, who are qualified and possess the necessary knowledge and are physically fit, will be in future appointed Inspectors.

Conservancy System and Sanitary Inspection.

Conservancy System and Sanitary Inspection.

63. At present the conservancy system and sanitary inspection is worked together. In the future these branches will be worked separately.

The conservancy system proper is the scavenging and night-soil removal, and drain cleaning and gully cleaning. I have already reported fully on the conservancy and shown how a large amount of money can be saved. The system of conservancy ought to work by routine, and if properly superintended would be more efficient and less expensive. I would repeat here the importance of decreasing the number of bullocks, carts and drivers, and adopting the Railway system or Tramway or motor car method of removal of refuse.

Female Sanitary Inspectors.

Female Sanitary Inspectors.

64. I have provided for 7 female Sanitary Inspectors whose duties will be to visit houses where the male Inspectors would not have access where women and children work. They will be trained in practical and domestic hygiene and instruction, to advise the poorer classes on matters pertaining to personal cleanliness and care of children, and give information of births, deaths and sickness, and assist pregnant women in labour.

Hospital for Infectious Diseases.

Hospital for Infectious Diseases.

65. The Arthur Road Hospital is at present the only accommodation for cases of infectious diseases other than plague provided by the Municipality. The cost of this accommodation is very small compared with other cities in Europe; Rs. 40,000 per annum is all that is provided compared with £25,000 or Rs. 3,75,000, £21,000 or Rs. 3,15,000, and £40,000 or Rs. 6,00,000 in Liverpool, Manchester and Glasgow.

(2) I propose, therefore, to ask for an increased permanent staff to provide more accommodation and put the Hospital on a permanent basis. I have estimated that the establishment expenses will amount to Rs. 10,242 to provide for 100 patients, which is a very small provision even in times of normal mortality. On the outbreak of a serious infectious disease extra provision will have to be made. Owing to the prejudice the poorer classes have against Hospitals in times of ordinary mortality, accommodation for 100 patients appears sufficient. I wish, however, to remove this prejudice, and, by popularizing the Hospital, induce patients to be removed earlier. At present, with few exceptions, only those who have no friends and relatives go to Hospital, and they are in an advanced stage of the disease and half-starved; the result is that the mortality at Hospital is very great. This naturally creates a feeling that Hospital treatment is of no value in reducing mortality. Every facility is given to people to go to Hospital, and I propose to issue a circular inviting the poorer classes to visit Arthur Road Hospital and see for themselves how well the sick are treated, and trust to gradually remove the abhorrence which at present exists against the Institution.

(3) The only method of preventing the spread of infectious diseases is by separating the sick from the healthy and devitalising the specific organism which spreads the disease by disinfection and fresh air and sunlight. As Hospitals become more popular, more accommodation will be required, and the Corporation must be prepared to spend more money in this direction.

(4) Besides the Arthur Road Hospital, there are the temporary Maratha, Modikhana, Adamji Pirbhai, Pathare Prabhu and Parsi Fever Hospitals in the City for plague only. The first two Hospitals are in charge of the Municipality, and the rest are in charge of the influential members of the different communities.

Re-organization of the Health Department.

Re-organization of the Health Department.

66. During the year I was called upon to submit a report on the Re-organization of the Health Department, and my report was directed towards—

(1) An improved sanitary inspection.

(2) A better class of Inspectors, especially trained and experienced.

(3) A stricter supervision of scavenging of the City, and on better system of refuse removal.

(4) A more complete system of Births and Deaths Registration and Notification of Infectious Diseases.

(5) Inspection of food, drugs and milk supply.

(6) A Laboratory for analysis of food and drugs and chemical and bacteriological examination of water and bacteriological investigation into the local diseases.

(7) A Municipal Analyst.

(8) Ten Municipal Dispensaries.

Milch Cattle Stables.

Milch Cattle Stables

67. The control of Milch Cattle Stables is divided between the Health Department and the License Department on lines similar to the control of the house and storm-water drainage, which is divided between the Health Department and the Drainage Department. In the case of Milch Cattle Stables, the control of the Health Department is limited to inspection, and serving of a notice if the stable is dirty and taking action before a Magistrate, or if there is any disease amongst the cattle. If there is overcrowding the Health Department have to report to the License Department; if there is structural defect to the Engineer's Department. After a certain amount of correspondence and delay action is taken, and the owner may be taken before a Magistrate by the License Department, and if convicted, warned, or a nominal fine is inflicted. As most of these stables bring in a large income to the owner a fine of a few rupees is no hardship and the nuisance recurs.

(2) This dual control must be injurious to the object the Health Department have in view, namely, the provision of a pure supply of milk.

(3) The License Department wish to swell their revenue and look with alarm on any suggestion which will have any adverse effect on it.

(4) The responsibility, however, of the health of the people rests with the Health Department who desire to see such measures carried out as will improve the condition of the City and the health of the people. I see no reason why both

objects should not be accomplished, and that by enforcing clean sheds, pure water, sufficient space, the quality and quantity of the milk would be improved and increased and the revenue would not suffer.

(5) In order to accomplish these objects in addition to the bye-laws, I suggest that the control of all milch cattle stables be under the Health Department, and that all milk sellers and cow-keepers be registered. No milk seller or milch cattle stable should be licensed unless they satisfy all the requirements of the existing and future bye-laws, that action should be taken before a Magistrate by the Health Department on the infringement of any bye-law, and that two infringements cancel the license, that the minimum floor space be 5 feet × 12 feet and the minimum cubic space 500 cubic feet. In England the minimum cubic space is 800, but in tropical climates, with open sheds, 500 is sufficient.

(6) That no stable be licensed or occupied unless a certificate is given by the Health Department that it fulfils all these requirements. That no new stable be built within 50 feet of a road or dwelling-house and no new stable should accommodate more than 400 cattle, and that an open space of 15 feet should be provided all round such stable.

(7) That the license should be issued in the name of one man, and that no license be issued to existing stables unless they have open space on all sides. That all stables in suburbs must conform with bye-laws.

(8) I urge strict supervision of existing stables, rigorous enforcement of the Act and bye-laws, and unbiassed judgment of the Magistrate when a case is brought before him.

(9) The question of adulteration of milk does not arise here, but is treated by a Committee now sitting.

Important subjects reported upon.

Important subjects reported upon.

68. I give below a statement showing the important subjects on which I reported during the year :—

1. Report regarding offensive smell on foreshore of the Cumballa and Malabar Hill.
2. Report regarding filling in of the tanks in the City.
3. Report regarding Registration of Births and Deaths.
4. Report regarding storm-water drains carrying sewage and sullage water.
5. Report regarding the duties performed by the Divisional Health Officers and the Deputy Health Officers.
6. Report regarding the additional engines and staff required for the efficient flushing of gullies.
7. Report regarding the amendments to be made in the Ghee Act.
8. Report regarding the presence of Hydrogen Sulphide in Tulsi water.
9. Report regarding the high rate of mortality in Sewri, Mahim and Tardeo.
10. Report regarding ventilating pipes in Bombay and the ventilation of sewers.
11. Report regarding the presence of anopheles larvæ in the tanks of the City, and the best method of destroying anopheles larvæ.
12. Report regarding pollution of the soil with the sullage water from gullies, &c.
13. Report regarding high mortality in Parel, Worli, Sion and 2nd Nagpada.
14. Report regarding chemical and bacteriological examination of Tulsi waters taken from different air cocks, sluice valves, &c.
15. Report regarding the numbers of Inspectors, Mukadums, &c., in each ward for sweeping roads, and the question of transferring the work of removing road detritis to Health Department and a better method of removing refuse.
16. Report regarding the allotments of burial grounds to Boras, Chilichores, Khojas, Moguls, &c.
17. Scheme regarding the Registration of Births and Deaths and the working of dispensaries.
18. Report regarding the practical measures for the prevention of Tubercular disease.
19. A report containing comprehensive proposals for supplying the want of public privies and urinals.

20. Report regarding the flushing tanks in the City, whether they have any effect on water-supply.

21. Report regarding causes of impurities in the Tulsi Lake and the practicable and feasible means to purify the water.

22. Report on the drainage of Malabar Hill District and of the villages of Vadala, Khara, Gowri and Dharawi in the North of the Island and the purification of sewage at Love Grove.

23. Report regarding the amendment of the Municipal Act.

24. Report regarding the Re-organization of the Health Department.

25. Report regarding the conservancy system of the City.

26. Report regarding the adulteration of ghee.

27. Opinion on the Colaba Reclamation Scheme.

Adulteration of Ghee.

69. Prosecutions were instituted by the Divisional Health Officers in five cases and five convictions were obtained.

Lustig's *Anti-Plague Serum.*

70. The preparation of this serum was continued throughout the year at the Municipal Laboratory, and patients at the Arthur Road Hospital were treated with it. A full report of the same is given in Plague Hospital report.

Water-supply.

71. The water-supply was analysed by Dr. Cayley chemically and bacteriologically every month, and I include a statement of the results of these analyses.

Inspection of the City.

72. The City was regularly inspected, and many insanitary conditions reported upon. A statement of the work done in this direction is given.

Conservancy system.

73. The scavengering, drain cleaning, and night-soil removal worked satisfactorily, and a statement of the work in connection with this Department is appended.

74. The total expenditure on the Health Department came to Rs. 19,70,677-9-6 and the income to Rs. 8,83,706-1-9, the actual cost of the Department to the Municipality was, therefore, Rs. 10,86,917-7-7.

75. On the average 6941·28 men and women, and 1,232 scavengering and drain carts and 205·07 night-soil and cesspool carts were at work each day in 1901.

76. 354,853 tons of garbage, equal to 972·61 tons a day, were collected and removed and disposed of against 348,152 tons of garbage in 1900.

77. 179,022·60 tons of night-soil and cesspool matter, equal to 490·36 tons a day, were collected and removed as against 172,959·83 tons in 1900.

78. 131·54 miles of covered drains were opened and cleaned against 202 miles in 1900.

79. 3,485 notices and 2,404 summonses were issued against 4,231 notices and 3,271 summonses in 1900.

80. The amount of fines recovered amounted to Rs. 1,755 against Rs. 3,334-10 in 1900.

81. 1,719 building plans were received and disposed of against 1,642 in 1900.

Report on the Bombay Water Supplies for the year ending December 31st, 1901, by C. H. Cayley, M.D.

82. The public water supplies of Bombay are derived from the Tansa, Vehar and Tulsi Lakes. During the year 1901 monthly Chemical and Bacteriological examinations were made of the waters supplied from these sources. In addition, samples of water from a number of private and public wells were examined.

The samples of water taken regularly every month for analysis were collected from the following places :—

For the Tansa Water—

1. From the Tansa Lake.
2. From the 48″ Main at Chinchpoogli.

For the Vehar Lake—

1. From the Vehar Lake.
2. From the Inlet Channel to the Bhandarwada Reservoir.
3. From the Filtered Channel from one of the filters at Bhandarwada.

For the Tulsi Water—

1. From the Tulsi Lake.
2. From the receiving well at Malabar Hill.
3. From the Filtered Channel of one of the filters at Malabar Hill.

In addition to these samples which were taken regularly in every month, samples were taken at different times from stand-pipes in the City or from taps in private houses. In the case of the Tulsi Water samples were also taken from air cocks and sluice valves along the course of the main, and from the Malabar Hill Reservoirs before and after the water had passed through the Settling Tank, and from the reservoir for the mixed filtered and unfiltered Tulsi water.

Tansa Water.—The result of the examinations made during the year has been to emphasize the marked superiority of the Tansa water over the Vehar and Tulsi waters. A relatively small amount of vegetable organic matter was present in the water of the Tansa Lake, and in only one month in the year, *i.e.*, in March, did the albuminoid ammonia exceed ·1 part per million. During this month there was an extensive growth of algæ in the lake, the effect of which was to raise the albuminoid ammonia from ·088 parts per million in February to ·174 parts per million in March. The excess only lasted for a few weeks, and in April the albuminoid ammonia was reduced to ·1 part per million. The amount of chlorine in the water was small, varying from 0·6 grains per gallon during the monsoon to 0·7 grains per gallon in the dry weather.

The numbers of bacteria found in the monthly examination averaged 468 per c. c., the smallest numbers found were 210 per c. c. in May and the largest 685 and 870 per c. c. in November and December respectively.

No pathogenic bacteria were found.

Vehar Water.—Throughout the year the water from the Vehar Lake was found to contain a considerable amount of vegetable organic matter. The albuminoid ammonia averaged about ·19 parts per million—the lowest figures being ·142 in January, ·13 in February and ·148 in August, and the highest ·224 in April, ·206 in May and ·210 in December.

The chlorine varied from 1 grain per gallon in the monsoon to 1·15 grains per gallon in the dry weather. The excess of chlorine in the water of the Vehar Lake over that of the Tansa Lake is due to the closer proximity of the former lake to the sea.

No deterioration of the Vehar Water was found during its passage along the main from the lake to the Bhandarwada Reservoirs.

The numbers of bacteria in the unfiltered Vehar Water as delivered at Bhandarwada averaged 473 per c. c. The lowest numbers were 242 per c. c. in February, and the highest 947 in May and 760 in December.

In January samples of water from different parts of the Lake were examined.

1. In a sample taken from the far N. E. end of the Lake near the weeds, 97 bacteria per c. c. were found.
2. In a sample taken from the centre of the Lake, 37 bacteria per c. c. were found.
3. In a sample taken from near the outlet, 63 bacteria per c. c. were found.

No pathogenic bacteria were found.

The examinations of the filtered water showed a bacterial purification averaging 86 per cent.

Tulsi Water.—Throughout the year there were large amounts of vegetable organic matter in the water of the Tulsi Lake, both in suspension in the form of algæ and in solution as shown by the determinations for albuminoid ammonia. This excess of vegetable matter in solution was most marked at the end of the dry weather—the albuminoid ammonia rising from ·164 parts per million in January to ·46 parts per million in June. During the rains this organic matter decreased in amount until in August the determination for albuminoid ammonia had fallen to ·145 parts per million. There was no rain after August 31st, and the albuminoid ammonia gradually increased in amount during the remainder of the year, being ·196 parts per million in September, ·226 in October and ·236 in November and ·290 in December. Coincident with the increase in the dissolved vegetable organic matter there was an increase in the numbers of algæ in the water. These vegetable organisms were especially abundant in April and October.

Samples of water taken from the receiving well at Malabar Hill nearly always showed that some deterioration had occurred in the quality of the water during its passage along the main from the Lake to Malabar Hill. On June 7th, samples of water were collected from the Lake and from air cocks 3 miles 493 feet, 6 miles 549 feet, and 9 miles 3,949 feet from the Lake respectively. Analyses of these samples showed that the deterioration in the quality of the water was marked at the first of the above air cocks. The special characters in which the water of these samples differed from that from the Lake itself, was in the development of a yellow colour and a strong smell which were not present in the Lake water. Combined with this were an increase in the amount of the free ammonia and of the iron in solution.

There were two periods during the year at which these changes were most marked, namely, towards the end of the dry weather in May and early part of June and again after the monsoon in October. At these times the water as delivered at Malabar Hill had a deep yellow colour and a putrefactive odour. It also contained a large amount of free ammonia, namely, ·66 parts per million in May, ·56 in June and ·356 in October. During most of the other months in the year traces only of free ammonia were found in this unfiltered water as delivered at Malabar Hill. The water in the Lake itself contained practically no free ammonia. Coincident with the appearance of the yellow colour in the water there was an increase in the amount of iron in solution, the amount rising from ·02 parts per 100,000 in January to ·1 part per 100,000 in May and October.

During these two periods, May and October, algæ were present in large numbers in the Lake.

In November of this year an investigation involving chemical and bacteriological examinations of samples of the Tulsi Water taken from the Lake, from different air cocks and sluice valves along the course of the main and from the reservoirs at Malabar Hill, was undertaken to determine the cause or causes of this alteration in the quality and appearance of the water. This investigation was not completed until April 1902, when a report on the same was submitted.

The numbers of bacteria per c. c. in the unfiltered Tulsi water as delivered at Malabar Hill averaged 780 per c. c., varying from 302 in August to 1,100 in April and 1,385 in December. The months in which the largest numbers of bacteria were found did not correspond with those in which the physical characters of the water were at their worst.

No pathogenic bacteria were found at any time during the year.

The examination of the filtered water shewed an average bacterial purification of 84·4 per cent.

In May, when the unfiltered Tulsi water was at its worst the filtered Tulsi water was not so clear and bright as usual, and contained ·22 parts of free ammonia and ·2 parts of albuminoid ammonia per million, respectively.

This water also had a slight yellow tinge. In the other months of the year the filtered water was clear and bright and contained less than ·1 part of albuminoid ammonia per million.

From the result of the examinations of the water from the three Lakes carried out during the year, it appears that there were two periods at which the waters of all the Lakes were at their best, namely, January and August. On the other hand, there were two periods at which the waters were at their worst, namely, at the end of the dry season in May and June and again after the monsoon in October and November.

In April and May, and again after the monsoon in September and October, copious growths of green algæ occurred in the Lakes, giving rise to a large increase in the amount of vegetable organic matter in solution in the water of the Lakes.

The algæ were fewest in January and August.

The deterioration in the quality of the water in May and October was evidently in a large measure due to the growth of these algæ. This deterioration was most marked in May when the Lakes were at their lowest at the end of the dry season.

The improvement in the water in January was evidently due to the disappearance of these algæ. This cause also acted in August, but was assisted then by the dilution of the water by the rains.

Examinations were carried out of samples of water from wells in houses where cases of enteric fever or cholera had occurred. In no case were the specific germs of these diseases discovered, although in several instances distinct signs of sewage contamination were found. This was, of course, to be expected, as the wells were nearly all situated within or in close proximity to dwellings, and consequently were liable to pollution from the sullage water from nahanis and privies soaking into the ground.

TABLE showing the Record of the Important Work done during the year 1901 :—

1900.		Details.	1901.	
Rs.	8,04,983-4-9	Total income of the Health Department	Rs.	8,83,706-1-9*
„	21,63,683-8-6	Total ordinary expenditure on different heads	„	19,70,677-9-4*
„	13,58,700-3-9	Cost of the Health Department to the Municipality	„	10,86,971-7-7*
No.	6,862	Average number of men and women daily at work.	No.	6,941·28
„	1,118	Average daily working strength, carts, scavengering and drain-cleaning	„	1,232
„	204·19	Average night-soil and cess-pool carts	„	205·07
„	4,231	Notices issued	„	3,485
„	3,271	Summonses issued	„	2,404
Rs.	3,334-10-0	Amount of fines inflicted by Magistrates	Rs.	1,755-0-0
Tons	348,152	Total amount of garbage collected	Tons	354,853
„	953·84	Average tons per day	„	972·61
„	172,459·83	Night-soil and cess-pool matter collected	„	179,022·60
„	473·04	Average tons per day	„	490·36
Miles	202	Miles of covered drains opened and cleaned	Miles	131·54
Rs.	4,976-6-0	Amount received for sending carcasses to Coorla	Rs.	4,933-4-0
No.	11,484	Total animals sent to Coorla	No.	10,890
„	18,297	Total number of graves in Haines Road Cemetery	„	11,559
Rs.	9,336-4-0	Amount received for digging graves	Rs.	5,851-10-0
„	17,247-0-0	Amount of Dhobiwada fees	„	17,247-0-0
No.	1,662	Building plans received and disposed of	No.	1,719
„	*5,231	Number of cremations at the Haines Road and Mahim Cemeteries at Municipal expense.	„	4,316

* The figures are for the official year commencing from 1st April 1901 to 31st March 1902.

Statement No. I.

TABLE showing Works performed by the Health Department during the year 1901.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Carts emptied at Tardeo Flats and other places	61,514	52,901	57,145½	58,196	61,728	60,215½	62,036	60,318½	57,690½	61,793	58,276½	60,325½	712,140 Deptl. / 16,608 Private. } 728,748
Night-soil and cess-pool carts emptied	12,670	11,356	12,574	12,430	13,274	12,378	13,409	13,302½	13,007	13,845	13,299	13,669	155,233½ Deptl. / 8,375 Private. } 163,608
Night-soil baskets emptied	196,941	177,297	197,112	191,362	197,639	191,414	197,778	193,520	190,409	195,944	189,406	196,259	2,315,081
Covered drains opened and cleaned (in feet)	92,071	86,603	97,221	92,988	96,779	98,952	100,795	102,111	91,999	101,443	94,415	101,459	1,156,836 feet.

Statement No. II.

STATEMENT of SUMMONSES issued under Bombay Municipal Act, III of 1888, during the year 1901.

Offence.	Section of Act.	Conviction.	Dismissed.	Withdrawn, Offences having ceased.	Total Summonses.	Amount of Fines. Rs. a. p.
For not providing water-closets, privy or urinals	248	44	1	14	59	.....
Do. constructing do. do. for the use of work-people	249	5	...	5	10	.....
Do. providing air space between privy and building or place used for human habitation, &c.	250	4	...	...	4	.....
Do. recovering, trapping, ventilating, paving, &c., drain, privy, &c	257	485	1	72	558	101 0 0
For altering, fixing, renewing, rebuilding, changing, stopping up, or destroying any drain, ventilating shaft or pipe, &c., without permission	258	11	...	13	24	31 0 0
For accumulating or allowing to accumulate dust, ashes, refuse and rubbish or excrementitious or polluted matter on premises, &c.	372	163	2	115	280	225 8 0
For requiring buildings to be limewashed or otherwise cleansed	375	932	2	180	1,114	605 0 0
For not cleansing, clearing or enclosing house or land	377	150	1	69	220	135 0 0
Do. do. pool, ditch, tank, pond, well, quarry-hole, low ground or stagnant water	381	16	...	...	16	50 0 0
For keeping animals or feeding animals with filth, &c., so as to be a nuisance	384	75	...	35	110	547 8 0
For bathing, washing clothes, in or near tank, &c.	388	...	2	...	2	.....
For using Kerosine Engine without written permission	390	...	...	1	1	.....
For washing clothes at a place, *i. e.*, on the foreshore, not appointed for the purpose	397	1	...	...	1	.....
Prosecutions under the Ghee Act, No. II of 1899	4(1)	5	...	...	5	60 0 0
Total ...	.....	1,891	9	504	2,404	1,755 0 0

Statement No. III.

STATEMENT showing the Number of NOTICES served under various Sections of Act, III of 1888, during the year 1901.

Requirement of Section.	No. of Section.	Complied with.	Not complied with.	Pending.	Cancelled.	Total.
Provide privy and urinal accommodation for the use of tenants	248	8	47	9	15	79
Construct privy for the use of work-people	249	1	5	...	...	6
Shut up privy from public view	250	1	2	1	...	4
Provide storage tank	251	...	...	1	...	1
Cleanse, repair, &c., drains, privies, &c....	257	400	420	45	36	901
Lime-wash buildings	375	877	901	126	108	2,012
Cleanse and clear the premises or enclose the same	377	155	219	22	22	418
Clean, fill up wells, tanks, &c.	381	9	11	6	1	27
Notices after conviction	...	18	15	2	2	37
Total ...	...	1,469	1,620	212	184	3,485

Statement No. IV.

Number of bullocks of the Health Department during the year 1901		2,558
Died and destroyed during the year	195	273
Cast and sent to Pinjrapole do.	78	
Percentage of loss amongst bullocks	10·6	
Number of bullocks on 1st January 1902		2,285
Number of horses of the Health Department on hand on 1st January 1901...	11	12
Purchased during the year...	1	
Died		...
Number of horses on 1st January 1902		12

STATEMENT showing the causes of deaths amongst the bullocks of the Health Department during the year 1901.

No.	Diseases.	Number of Deaths.
1	Old age and general debility	66
2	Fractures and dislocations	7
3	Diseases of the respiratory system	32
4	Do. circulatory system	19
5	Do. digestive system	46
6	Do. urinary system	3
7	Do. nervous system	5
8	Diarrhœa	1
9	Rinderpest	1
10	Exhaustion due to Suppuration of the Fetlock Joint	1
11	Tuberculoses	1
12	Cancer horn	7
13	Foot and mouth disease	1
14	Hoven	2
15	Destroyed	2
16	Rupture of Rumra	1
	Total ...	195
	Bullocks cast and sent to Pinjrapole	78
	GRAND TOTAL ...	273

JOHN A. TURNER, M.B., D.P. H.,
Executive Health Officer.

PUBLIC HEALTH DEPARTMENT,
BOMBAY, *8th August* 1902.

5.—REPORT OF THE WORKING OF THE MUNICIPAL HOSPITAL FOR INFECTIOUS DISEASES AT ARTHUR ROAD FOR THE YEAR 1901.

I.—Administration.

1. The report deals with the year 1901, and has been brought up to the end of May 1902. It differs from the previous reports, inasmuch as it does not incorporate any particulars of the sixth epidemic of plague (1901-02), the hospital having ceased to be a plague hospital since July 1901, when it was replaced under the direct supervision of the Executive Health Officer. A few suspicious cases were from time to time admitted for observation, some of whom died before the diagnosis could be confirmed, whilst others were transferred to the Maratha Hospital for treatment.

II.—Grounds and Buildings.

2. The total accommodation remained at 200 beds, as during the last year; all the structures, permanent as well as temporary, were kept in a proper state of repair. Conservancy and water-supply remained the same as during the previous year.

III.—Medical Staff, Establishment and Nursing.

3. Consequent on the changes above noted, the establishment was considerably reduced. The English nurses having been withdrawn by the Special Medical Officer, Plague Operations, the services of the two locally trained nurses who had been working hitherto at the hospital were retained. The following establishment was sanctioned, to which additions were made as required :—

Special Assistant Health Officer in charge.

Hospital Assistants	2	Store Boy	1
Local Nurses	2	Bhistee	1
Compounder and Clerk	1	Dispensary Servant...	1
Driver of Sterilizer	1	Ambulance Men	2
Male Under-Nurse	1	Police Ramosees	2
Ward Boys	6	Coolie for Sterilizer...	1
Ayah	1	Malee	1
Cook	1	Sweepers (Male and Female)	4
Dhobie	1		

IV.—Medical History of the year 1901-02.

4. *Plague.*—The fifth epidemic of plague, which was so exceptionally virulent, ended as usual just about the break of the monsoon of 1901. After a brief respite, however, the recrudescence, which has become such an established feature between the epidemics,—especially when cholera is not present,—began, continued well into the autumn, and, in fact, merged with the epidemic of 1902, which did not become markedly apparent till January. This recrudescence, it appears, is usually in abeyance during the prevalence of cholera only; but when relapsing fever prevails, during the inter-epidemic periods, it has no influence in changing the course of events, and both the affections run concurrently during the epidemic and the inter-epidemic periods as well. The following statement will make this more clear :—

Years.	Inter-Epidemic Period. (June to November.)
1897	*Cholera and Relapsing Fever.*
1898	Plague and Relapsing Fever.
1899	Plague and Relapsing Fever.
1900	*Cholera.*
1901	Plague and Relapsing Fever.

During 1897 and 1900 when cholera prevailed in an epidemic form, plague was in abeyance; whereas in 1898, 1899, and 1901, when relapsing fever existed, plague ran concurrently with it. What particular influence cholera has in restricting the incidence of plague, it is not possible to say, but that it has some, our experience demonstrates.

5. The epidemic of 1902 was undoubtedly of shorter duration, the total mortality during which did not reach to the same high level as during the previous years. The numbers attacked were better and more accurately known—thanks to the improved system of registration, and for the first time during the six epidemics, the exclusion of the plague mortality indicated almost, if not absolutely correctly, the state of the general health of the city. Hospital aid was, however, not availed of, even to the same extent as in 1901, considerably reduced though it was, and in spite of several of the public hospitals having been closed the admissions into the remaining ones fell still lower. This was due solely to the abolition of compulsory isolation, and it

would be worth while inquiring whether this contributed to a higher or lower case mortality among those allowed to remain in their houses. One fact, however, was noticeable, *viz.*, that the fear of compulsory isolation that led the patients to resort to qualified medical aid being no longer existent, qualified men were not called in to the same extent as before, and more patients were treated by quacks and others.

6. As regards the virulence of the cases during this epidemic, the few records of this hospital can say very little, but from what has been observed at the other hospitals, it appears that the virulence of individual cases was not less than during the last epidemic. From December 1901 to February 1902, Dr. Mayr had 70 cases under observation at the Modikhana hospital, and he found that 33 of them, *i.e.*, 47 per cent. were septicæmic on admission. Similarly at the Maratha Hospital, 93 cases were observed during April and May 1902, and 44 of them, *i.e.*, 47 per cent., were found to be septicæmic; during this period the mortality rate had reached to the unprecedented high level of 93 per cent.

7. *Relapsing Fever.*—This affection, since its diagnosis and confirmation in 1897, has remained either epidemic or endemic in the city, and neither seasonal changes, nor the influence of other diseases seem to have any effect in modifying its course. Month after month and year after year it has continued to contribute its quota of attacks and deaths, and its mortality rate, which was comparatively low in 1897, has almost trebled in the course of five years. The disease exhibits no fixed law of rise and decline, and although its course apparently conforms with that of plague, it continues to exist after plague has subsided, and since April 1897 it has always been in evidence except during the cholera epidemic of 1900. The incidence of the disease, falling mainly as it does on the labouring and lower classes of Hindus, shows that long continued want, privation, destitution, and the low condition of health brought about by these and other debilitating causes, perpetuate the disease in our midst. The influence of the new regulations about compulsory segregation has been perceived in connection with this disease also, but not to the same extent as in plague.

8. *Cholera.*—Cholera was not noticed to any appreciable extent, and there were about 20 admissions of sporadic cases during the monsoon.

9. *Small-pox.*—Like cholera, small-pox also was in abeyance, and only a few sporadic cases were admitted.

10. Compared with the previous years, the year 1901 was healthier; the total mortality recorded was 59,495 as contrasted with 79,350 in 1900. Of the epidemic diseases, but two, plague and relapsing fever prevailed, and the multiplicity observed in 1900 was absent.

V.—General Statistics.

11. The total admissions during 1901 numbered 1,624, and for the first five months of 1902, 624—a gross total of 2,248.

The following table shows the details of admissions month by month:—

	Plague.	Relapsing Fever.	Cholera.	Small-pox.	Chicken-pox.	Measles.	Observation.,	Total.
1901.								
January ...	48	107	...	19	17	1	10	202
February ...	132	63	...	15	9	...	11	230
March ...	141	59	...	13	19	3	11	246
April ...	73	83	...	14	9	...	17	196
May ...	17	55	3	14	4	1	9	103
June ...	2	18	2	1	1	...	3	35
July ...	...	69	3	3	8	...	5	88
August ...	2	77	11	...	2	...	19	111
September ...	4	108	4	...	...	...	24	140
October ...	2	87	...	2	...	...	34	125
November ...	3	44	1	3	1	...	29	81
December ...	5	29	2	2	1	...	28	67
Total ...	429	799	26	94	71	5	200	1,624
1902.								
January ...	4	68	2	20	7	...	23	124
February ...	9	78	...	47	18	...	26	178
March ...	4	64	3	24	38	1	21	155
April ...	4	34	1	21	4	1	25	90
May ...	...	37	2	16	...	11	11	77
Total	21	281	8	128	67	13	106	624
Grand Total ...	450	1,080	34	222	138	18	306	2,248

VI.—Relapsing Fever.

12. The admissions from this disease numbered 799 during 1901 and 281 from January to May 1902.

13. The case mortality rate during the year was 43·80 per cent., and among those admitted during the first five months of the current year, 44·83 per cent.

14. An inquiry into the character, type and mortality from relapsing fever, based upon nearly 5,000 records of this hospital, was undertaken, but as it has not yet been completed, the results will be incorporated in the next report. So far as the investigation has proceeded, it has indicated that the rate of mortality is comparatively low, if relapsing fever exists by itself, uncomplicated with other diseases or with grave complications.

The concurrence, however, of phthisis, malaria, and a typhus-like fever, considerably enhances its rate of mortality, and it has been noted that nearly a third of the patients are phthisical. Relapsing fever in phthisical subjects is therefore but the last phase in their stage of existence, the inroads from the affection having prepared a favourable soil for the reception and proliferation of the spirillum, and hence most of these cases prove fatal. In fact, it may be truly said that phthisis invites the infection, by long continued exhaustion, insufficient food, wasting, and diarrhœa.

15. The concurrence of malaria interferes with the typical character of the disease, by following immediately after the first attack, or during the interval between it and the relapse or relapses. Under both these circumstances, its influence is unfavourable, as in the one case by prolonging the duration of the initial attack it exhausts the patient, and in the other, the interval that is so necessary for the patient to recuperate and gather strength for the oncoming relapse, is interfered with, and thereby he is exposed to greater risk. And considering how extensively malaria prevails in the same classes of patients that get infected with relapsing fever, it is not difficult to realise its unfavourable influence.

16. The association of relapsing fever with a typhus-like fever is undoubted, and knowing, as we do, the intimate relationship that exists between the two affections, it is probable that in several instances typhus was engrafted on to the relapsing. Some cases were typical more of typhus, than relapsing, all the clinical features except the eruption having been noticed, whereas in others, there appeared to be a blending of the symptoms of both. Under such circumstances, it is but natural that the mortality rate, although comparatively low in each of the affections, when existing singly, would be considerably enhanced, when they exist together.

17. It may not be out of place to refer here to three well-marked cases of typhus that were seen in consultation, during the year. The patients were Parsees, who had been to Udvada, and who developed the symptoms after returning to Bombay. Two of them recovered, and one died on the evening of the thirteenth day just before the crisis. All these cases presented the typical symptoms of the affection, including the eruption, and the patient that succumbed was a most pronounced case.

18. Of the other causes that have contributed so largely to the high mortality, the following may be noticed:—complications of varying intensity, *e.g.*, pneumonia, diarrhœa, &c., want of proper medical aid, and nursing during the first attack; the lateness of admission into the hospital—generally just prior to the crisis or soon after it—the most unfavourable periods for the removal of such patients; and, finally, the admission of moribund patients in the last throes of death.

19. The following statement shows the details of the admissions, deaths, &c., month by month:—

——	No.	Died.	Recovered.	Percentage of Mortality.
1901.				
January	107	40	67	37·38
February	63	29	34	46·03
March	59	24	35	40·67
April	83	36	47	43·37
May	55	41	14	75·54
June	18	13	5	72·22
July	69	31	38	44·92
August	77	32	45	41·55
September	108	38	70	35·18
October	87	38	49	43·67
November	44	20	24	45·45
December	29	8	21	27·58
Total	799	350	449	43·80
1902.				
January	68	28	40	41·17
February	78	30	48	38·46
March	64	28	36	43·75
April	34	21	13	61·76
May	37	19	18	51·35
Total	281	126	155	44·83
Grand Total	1,080	476	604	44·07

20. An analysis of the admissions from June 1901 to May 1902 indicates that the Hindus preponderated largely as usual, the other races showing an extremely insignificant incidence :—

Races.	Number.	Died.	Recovered.	Case Mortality per cent.
Hindus	616	268	348	43·50
Mahomedans	79	34	45	43·03
Native Christians	14	3	11	21·42
Parsees	1	.....	1	.....
Beni-Israels	3	1	2	33·33
Total ...	713	306	407	42·91

The Hindus had a mortality rate of 43·50 per cent., and it is practically they who determine the rate for all.

21. Arranged according to sexes, children showed the remarkably low mortality rate of 9·54 per cent. as compared with 27 per cent. among females and 51 per cent. among males :—

Sex.	Number.	Died.	Recovered.	Case Mortality per cent.
Males	514	264	250	51·36
Females	133	36	97	27·06
Children	66	6	60	9·54
Total ...	713	306	407	42·91

VII.—Cholera.

22. Cholera did not prevail as an epidemic, and only 34 patients were admitted during the period covered by the report, of whom 18 died and 16 recovered.

VIII.—Small-pox.

23. This affection also remained sporadic since the epidemic of 1900, and although patients continued to be admitted throughout the year, the admissions were extremely few (19), between June and December 1901. During the first five months of the current year, there were 128, as against 75 during the corresponding period of last year.

The subjoined statement shows the detailed particulars of the admissions, deaths, etc., month by month :—

—	Number.	Died.	Recovered.	Percentage of Mortality.
1901.				
January	19	5	14	26·31
February	15	7	8	46·66
March	13	3	10	23·07
April	14	3	11	21·42
May	14	2	12	14·28
June	9	1	8	11·11
July	3	1	2	33·33
August	...	...	...	...
September	...	...	...	...
October	2	...	2	...
November	3	1	2	33·33
December	2	...	2	...
Total ...	94	23	71	24·46
1902.				
January	20	7	13	35·00
February	47	12	35	25·53
March	24	9	15	37·50
April	21	2	19	9·52
May	16	3	13	18·75
Total ...	128	33	95	25·78
Grand Total ...	222	56	166	25·22

The rate of mortality almost conforms to that of the previous years, and was 25·22 as against 26·59 per cent.

24. The patients admitted from June 1901 to May 1902, were distributed as follows as regards their races :—

Race.	Number.	Died.	Recovered.	Case Mortality per cent.
Hindus	58	7	51	12·06
Mahomedans	14	4	10	28·57
Native Christians	75	25	50	33·33
Total ...	147	36	111	24·48

The highest mortality rate, 33·33 was recorded by the Native Christians (Goanese) and the lowest 12·06 among the Hindus.

25. As regards the influence of vaccination the cases stood as follows :—

	Number.	Died.	Recovered.	Case Mortality per cent.
Vaccinated	65	8	57	12·30
Unvaccinated	82	28	54	34·14

The rate of mortality among the vaccinated and unvaccinated during the last three years has been as follows :—

	1899-00	1900-01	1901-02
Vaccinated...	17·91	12·82	12·30
Unvaccinated	30·95	32·13	34·14

The difference between the two classes of cases is sufficiently striking, and would have been still greater were some of the cases said to have been vaccinated in Goa, but who had no distinct marks, eliminated from the vaccinated group.

26. *Chicken-pox and Measles.*—There were 80 admissions from the former, all of whom recovered. *Measles* contributed 13 admissions with but two deaths.

27. *Observation Cases.*—The Observation cases numbered 306 as against 204 last year.

28. *Conduct of the Staff.*—The staff worked satisfactorily as usual.

N. H. CHOKSY, M.D. (*Hon. Caus.*) Freiburg,
Special Assistant Health Officer,
Arthur Road Hospital.

BOMBAY, 30*th July* 1902.

TABLE showing the population and the number of births and the birth-rate by Sex and by Sections in the year 1901.

Wards.	SECTIONS.	POPULATION. Persons.	Males.	Females.	Number of persons under one year.	Number of persons of one year and under 5 years.	BIRTHS. Number of births born alive during the year.	Males.	Females.	Birth-rate per 1,000 of population.	Number of males to every 100 female births.	Number of still-born.	SECTIONS.	Wards.
A	Colaba.. Upper	3,956	2,758	1,198	64	215	64	37	27	16·36	137·03	6	Upper ..	A
	Colaba.. Middle	13,023	8,109	4,914	197	780	144	77	67	11·05	114·92	34	Middle ...Colaba	
	Colaba.. Lower												Lower	
	Fort, Southern	3,309	2,680	629	30	81	18	9	9	5·43	100·00	2	Fort, Southern	
	Fort, Northern	22,956	13,588	9,368	274	1,195	398	225	173	17·33	130·05	73	Fort, Northern	
	Esplanade	10,398	7,264	3,134	153	471	650	338	312	62·51	108·33	9	Esplanade	
B	Mandvi	31,402	18,413	12,989	402	1,973	484	238	246	15·41	96·74	75	Mandvi	B
	Chukla	24,384	14,672	9,712	356	1,530	403	199	204	16·52	97·54	72	Chukla	
	Umarkhadi	48,481	28,641	19,840	708	2,998	606	343	263	12·49	130·41	145	Umarkhadi	
	Dongri	25,778	14,559	11,219	401	1,697	489	215	224	17·03	95·98	121	Dongri	
C	Market	28,415	18,734	9,681	356	1,442	402	209	193	14·14	108·29	72	Market	C
	Dhobi Talao..	29,553	17,737	11,816	436	1,574	512	284	228	17·32	124·56	76	Dhobi Talao..	
	Fanaswadi	16,354	10,034	6,320	216	835	301	160	141	18·40	113·47	25	Fanaswadi	
	Bhuleshwar	30,229	19,135	11,094	344	1,592	420	225	195	13·89	115·38	77	Bhuleshwar	
	Khara Talao	23,161	14,164	8,997	323	1,315	412	214	198	17·78	108·08	70	Khara Talao..	
	Kumbharwada	27,544	16,384	11,160	424	1,465	443	233	210	16·08	110·95	72	Kumbharwada	
D	Khetwadi	27,160	16,287	10,873	324	1,590	502	278	224	18·48	124·10	70	Khetwadi	D
	Girgaum	14,686	9,151	5,715	150	847	341	170	171	22·93	99·41	77	Girgaum	
	Chaupati	6,729	4,104	2,625	99	319	91	47	44	13·52	106·81	4	Chaupati	
	Walkeshwar..	10,583	6,897	3,686	142	572	143	86	57	13·53	150·87	22	Walkeshwar..	
	Mahalakshmi	18,092	10,953	7,139	258	1,079	322	154	168	17·79	91·66	36	Mahalakshmi	
E	Mazagon	27,933	16,590	11,343	322	1,776	621	338	283	22·23	119·43	73	Mazagon	E
	Tarwadi	18,460	11,509	6,951	231	1,008	752	383	369	40·73	103·79	88	Tarwadi	
	2nd Nagpada	19,591	10,635	7,956	290	1,117	410	226	184	22·05	122·82	97	2nd Nagpada	
	Kamathipura	26,706	15,275	11,431	343	1,275	573	314	259	21·45	121·23	98	Kamathipura	
	Tardeo	20,958	12,213	8,745	280	1,219	444	201	243	21·18	82·71	78	Tardeo	
	Byculla	57,646	34,544	23,102	751	3,291	1,040	516	524	18·04	98·47	208	Byculla	
	1st Nagpada	10,577	6,308	4,269	98	577	107	57	50	10·11	114·00	23	1st Nagpada	
F	Parel	33,390	20,430	12,960	318	1,916	589	292	297	17·64	98·31	86	Parel	F
	Sewri	9,294	5,605	3,689	139	635	136	75	61	14·63	122·95	26	Sewri	
G	Sion	25,443	15,139	10,304	419	1,820	496	267	229	19·45	116·59	57	Sion	G
	Mahim	27,386	15,927	11,459	406	1,968	637	332	305	23·26	108·85	83	Mahim	
	Worli	45,588	27,329	18,259	569	2,653	620	343	277	13·60	123·82	99	Worli	
	Harbour and Docks	37,681	34,018	3,663	107	579	....	....	....	....	....	....	Harbour and Docks	
	Railways and Homeless												Railways and Homeless	
	Total ..	770,006	479,786	296,220	9,930	43,404	13,520	7,085	6,435	17·42	110·10	2,153	Total ..	

Wards.	SECTIONS.	POPULATION. Persons.	Males.	Females.	Number of persons under one year.	Number of persons of one year and under 5 years.	BIRTHS. Number of births born alive during the year.	Males.	Females.	Birth-rate per 1,000 of population.	Number of males to every 100 female births.	Number of still-born.	SECTIONS.	Wards.

II.

TABLE showing the number of deaths and the death-rate per 1,000 of Population by Sections in 1901.

Wards.	SECTIONS.	Persons.		Males.		Females.		Number of Persons under one year.		Number of Persons of one year and under five years.		SECTIONS.	Wards.
		Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.		
A	Upper Colaba...	94	23·76	63	22·84	31	25·87	13	203·12	3	13·95	Upper Colaba.	A
	Mid. & Lower Colaba ...	881	67·64	553	68·19	328	66·74	94	477·15	48	61·53	Mid. & Lower Colaba ...	
	Fort, Southern.	28	8·46	20	7·46	8	12·71	3	100·00	4	49·38	Fort, Southern.	
	Fort, Northern.	1,829	79·67	1,143	84·11	686	73·22	203	740·87	118	98·74	Fort, Northern.	
	Esplanade ...	424	40·77	285	39·23	139	44·35	40	261·43	13	27·60	Esplanade ...	
B	Mandvi ...	3,333	102·95	1,941	132·29	1,392	133·03	463	1151·74	199	100·86	Mandvi ...	B
	Chukla ...	1,822	74·72	1,027	55·77	795	61·20	294	826·12	139	90·84	Chukla ...	
	Umarkhadi ...	4,231	87·27	2,344	81·84	1,887	95·11	573	809·32	316	105·40	Umarkhadi ...	
	Dongri ...	2,866	111·18	1,602	110·03	1,264	112·66	410	1022·44	205	120·80	Dongri ...	
C	Market ...	2,632	92·62	1,708	91·17	924	95·44	263	738·76	165	114·42	Market ...	C
	Dhobi Talao ...	2,066	69·90	1,301	73·34	765	64·74	277	635·32	154	97·83	Dhobi Talao ...	
	Fanaswadi ...	1,359	83·09	859	85·60	500	79·11	147	680·55	84	100·59	Fanaswadi ...	
	Bhuleshwar ...	2,635	87·16	1,650	86·22	985	88·78	293	851·74	167	104·89	Bhuleshwar ...	
	Khara Talao ...	2,021	87·25	1,232	75·19	789	70·69	279	863·77	115	87·45	Khara Talao ...	
	Kumbharwada.	2,988	108·48	1,822	128·63	1,166	129·59	381	898·58	189	129·01	Kumbharwada	
D	Khetwadi ...	2,088	76·87	1,282	78·71	806	74·12	243	750·00	153	96·22	Khetwadi ...	D
	Girgaum ...	1,932	129·28	1,195	130·58	737	127·20	204	1360·00	135	159·38	Girgaum ...	
	Chaupati ...	194	28·83	128	31·18	66	25·14	11	111·11	18	56·42	Chaupati ...	
	Walkeshwar ...	334	31·61	214	31·02	120	32·73	52	366·19	22	38·46	Walkeshwar ...	
	Mahalakshmi...	948	52·39	567	51·76	381	53·36	100	387·59	60	55·60	Mahalakshmi...	
E	Mazagon ...	2,315	82·87	1,389	113·73	926	105·88	356	1105·59	170	95·72	Mazagon ...	E
	Tarwadi ...	1,350	73·13	850	55·64	500	43·74	196	848·48	83	82·34	Tarwadi ...	
	2nd Nagpada...	1,735	93·32	957	151·71	778	182·24	248	855·17	128	114·59	2nd Nagpada...	
	Kamathipura...	2,972	111·28	1,711	160·88	1,261	158·49	354	1032·06	224	175·68	Kamathipura...	
	Tardeo ...	1,913	91·27	1,101	31·87	812	35·14	276	985·71	170	139·45	Tardeo... ...	
	Byculla ...	4,846	84·06	2,790	242·41	2,056	295·78	657	874·83	391	148·80	Byculla ...	
	1st Nagpada ...	977	92·37	585	55·26	392	34·55	104	1061·22	65	112·65	1st Nagpada ...	
F	Parel	2,438	73·01	1,446	70·77	992	76·54	337	1059·74	169	88·20	Parel	F
	Sewri	494	53·15	268	47·81	226	61·26	78	561·15	43	67·71	Sewri	
	Sion	1,399	54·98	815	53·83	584	56·67	198	472·55	105	57·69	Sion	
G	Mahim ...	1,904	69·52	1,135	71·26	769	67·10	267	657·63	151	76·72	Mahim... ...	G
	Worli	2,492	54·66	1,460	53·42	1,032	56·52	354	622·14	193	72·74	Worli	
	Harbour and Docks, Railways and Homeless ...	65	1·72	61	1·78	4	1·09	...	...	1	1·72	Harbour and Docks, Railways and Homeless ...	
	Total ...	59,495	76·66	35,504	73·99	23,991	80·99	7,768	782·27	4200	96·76	Total ...	

Wards.	SECTIONS.	Persons.		Males.		Females.		Number of persons under one year.		Number of persons of one year and under 5 years.		SECTIONS.	Wards.
		Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.		

III.

TABLE showing the number of deaths and the death-rate from some of the Principal Diseases by Sections in 1901.

Wards.	SECTIONS.	Deaths.		Cholera.		Small-pox.		Measles.		Fevers.		Respiratory System.		Diarrhœa and Dysentery.		Injuries.		Plague.		All other causes, except still-born.		SECTIONS.	Wards.
		Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.		
A	Upper Colaba	94	23·76	..	..	..	..	..	..	5	1·26	11	2·78	11	2·78	3	·75	11	2·78	53	13·39	Upper Colaba	A
	Middle and Lower Colaba	881	67·64	..	..	2	·15	..	..	72	5·52	85	6·52	41	3·14	19	1·45	403	30·94	259	19·88	Middle and Lower Colaba ..	
	Fort, Southern ..	28	8·46	..	..	..	..	..	..	2	·60	6	1·81	..	..	2	·60	5	1·51	13	3·92	Fort, Southern ..	
	Fort, Northern ..	1,829	79·67	5	·21	6	·26	1	·04	149	6·49	244	10·62	122	5·31	39	1·69	593	25·83	670	29·18	Fort, Northern ..	
	Esplanade	421	40·77	..	...	1	·09	..	..	36	3·46	51	4·90	29	2·78	40	3·84	110	10·57	157	15·09	Esplanade	
B	Mandvi	3,233	102·95	8	·25	5	·15	3	·09	378	12·03	468	14·90	107	2·40	47	1·49	1,159	36·90	1,058	33·69	Mandvi	B
	Chukla	1,822	74·72	1	·04	4	·16	..	..	117	4·79	372	15·25	90	3·69	16	·65	433	17·75	789	32·35	Chukla	
	Umarkhadi	4,231	87·27	8	·16	9	·18	7	·14	463	9·55	771	15·90	228	4·70	39	·80	1,028	21·20	1,678	34·61	Umarkhadi	
	Dongri	2,366	111·18	3	·11	4	·15	1	·03	731	28·35	440	17·06	172	6·67	23	·89	713	27·65	779	30·21	Dongri	
C	Market	2,632	92·62	9	·31	6	·21	1	·03	208	7·32	322	11·33	140	4·92	24	·84	1,139	40·08	783	27·55	Market	C
	Dhobi Talao	2,066	69·90	5	·16	12	·40	2	·06	238	8·05	292	9·88	105	3·55	24	·81	601	20·33	787	26·63	Dhobi Talao	
	Fanaswadi	1,359	83·09	1	·06	4	·24	1	·06	145	8·86	138	8·43	78	4·76	13	·79	552	33·69	427	26·17	Fanaswadi	
	Bhuleshwar	2,635	87·16	..	..	6	·19	2	·06	202	6·68	390	12·57	168	5·55	35	1·15	791	26·20	1,041	34·40	Bhuleshwar	
	Khara Talao	2,021	87·25	..	..	4	·17	1	·04	171	7·38	362	15·62	93	4·01	15	·64	541	23·35	834	36·00	Khara Talao	
	Kumbharwada ..	2,988	108·48	6	·21	11	·39	7	·25	334	12·12	359	13·03	148	5·37	27	·98	1,184	42·98	912	33·11	Kumbharwada ..	
D	Khetwadi	2,088	76·87	2	·07	3	·11	7	·25	267	9·83	230	8·46	114	4·19	22	·81	796	29·30	647	23·82	Khetwadi	D
	Girgaum	1,922	129·28	..	..	2	·13	3	·20	188	12·64	226	15·20	111	7·46	23	1·54	706	47·49	663	44·59	Girgaum	
	Chaupati	194	28·83	..	..	..	..	..	..	16	2·37	19	2·82	20	2·97	5	·74	59	8·76	75	11·14	Chaupati	
	Walkeshwar	334	31·61	..	..	..	..	..	..	44	4·16	31	2·93	28	2·65	5	·47	108	10·22	118	11·17	Walkeshwar	
	Mahalakshmi	948	52·30	3	·16	..	..	..	..	89	4·91	101	5·58	51	2·81	3	·16	429	23·71	272	15·03	Mahalakshmi	
E	Mazagon	2,315	82·87	15	·53	4	·14	2	·07	556	19·90	354	12·67	146	5·22	34	1·21	526	18·83	678	24·27	Mazagon	E
	Tarwadi	1,360	73·13	10	·54	2	·10	1	·05	337	18·25	179	9·69	104	5·63	45	2·43	216	11·70	456	24·70	Tarwadi	
	2nd Nagpada	1,735	93·32	5	·26	4	·21	2	·10	137	7·36	236	12·69	140	7·53	18	·96	371	19·95	822	44·21	2nd Nagpada	
	Kamathipura	2,972	111·28	18	·67	6	·22	5	·18	280	10·48	354	13·25	262	9·81	59	2·20	1,049	39·27	939	35·16	Kamathipura	
	Tardeo	1,913	91·27	5	·23	9	·42	4	·19	200	9·54	185	8·82	180	8·58	28	1·33	720	34·35	582	27·76	Tardeo	
	Byculla	4,846	84·06	38	·65	16	·27	3	·05	1,058	18·35	502	8·70	328	5·68	41	·71	1,225	21·25	1,635	28·36	Byculla	
	1st Nagpada	977	92·37	2	·18	6	·56	5	·47	158	14·93	120	11·34	42	3·97	3	·28	399	37·72	242	22·87	1st Nagpada	
F	Parel	2,438	73·01	15	·44	6	·17	3	·08	553	16·56	261	7·81	127	3·80	27	·80	783	21·95	713	21·35	Parel	F
	Sewri	494	53·15	8	·86	1	·10	1	·10	105	11·29	58	6·24	40	·43	10	1·07	149	16·03	122	13·12	Sewri	
G	Sion	1,399	54·98	5	·19	1	·03	2	·07	175	6·87	147	5·77	126	4·95	16	·62	463	18·19	464	18·23	Sion	G
	Mahim	1,904	69·52	8	·29	12	·43	1	·03	126	4·60	230	8·39	171	6·24	21	·76	675	24·64	660	24·09	Mahim	
	Worli	2,492	54·66	14	·30	12	·26	2	·04	370	8·11	251	5·50	190	4·16	25	·54	841	18·44	787	17·26	Worli	
	Harbour and Docks, Railways and Homeless.	65	1·72	4	·10	1	·02	..	..	11	·29	9	·23	4	·10	13	·34	8	·21	15	·39	Harbour and Docks, Railways and Homeless.	
	Total ..	59,495	76·66	198	·25	159	·20	67	·08	7,921	10·20	7,804	10·05	3,716	4·78	764	·98	18,736	24·14	20,130	25·94	Total ..	

Wards.	SECTIONS.	Deaths.		Cholera.		Small-pox.		Measles.		Fevers.		Respiratory System.		Diarrhœa and Dysentery.		Injuries.		Plague.		All other causes, except still-born.		SECTIONS.	Wards.
		Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.		

IV.

CAUSES OF DEATHS arranged according to the Nomenclature of Diseases drawn up by the COMMITTEE OF ROYAL COLLEGE OF PHYSICIANS OF LONDON for 1901.

	No. in Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
General Diseases. A.	1	Small-pox	18	20	38	25	19	15	15	4	3	...	1	1	159
	2	Chicken-pox	...	2	...	...	1	...	...	...	...	...	...	...	3
	4	Measles	6	12	6	17	5	4	8	...	2	4	...	2	66
		„ with Bronchitis	...	...	...	...	...	...	...	...	1	...	...	...	1
	9	Enteric Fever	3	6	5	5	4	7	3	6	7	4	5	7	62
	10	Relapsing Fever	130	192	170	175	220	116	72	92	131	102	80	80	1,560
	11	Simple Continued Fever	7	10	4	6	11	5	10	3	6	13	23	15	118
	14	Plague	1,609	3,350	4,697	2,459	1,152	312	431	882	1,048	789	775	732	18,736
	15	Ague	31	63	99	56	51	29	36	29	28	16	24	18	480
	16	Remittent Fever	536	893	1,181	880	769	389	385	388	417	399	368	367	6,972
		„ „ and Neck Abscess	...	...	...	1	...	...	...	...	...	...	...	...	1
		„ „ „ Congestion of Brain	...	...	...	...	...	...	1	...	...	...	...	...	1
		„ „ „ Inflammation of Ear	...	...	...	...	...	...	...	...	1	...	...	...	1
		„ „ „ Bronchitis	9	8	5	17	20	10	7	7	7	5	1	3	99
		„ „ „ Pneumonia	3	...	1	...	3	1	...	...	1	1	...	3	13
		„ „ „ Pleuro-Pneumonia	...	...	...	1	...	...	...	...	...	...	...	...	1
		„ „ „ Meningitis	...	...	1	...	...	...	...	1	...	...	...	...	2
		„ „ „ Asthma	...	2	1	...	...	1	...	...	...	...	...	...	4
		„ „ „ Cough	...	...	2	12	12	5	4	7	1	3	...	...	46
		„ „ „ Convulsions	1	2	1	2	2	2	1	...	1	...	1	...	13
		„ „ „ Heart Failure	...	...	1	1	1	...	...	1	...	...	...	1	5
		„ „ „ Intestinal Worms	...	1	...	...	1	...	...	...	1	...	...	...	3
		„ „ „ Diarrhœa	2	2	2	7	7	7	4	9	3	6	1	...	50
		„ „ „ Dysentery	...	...	3	5	...	2	1	1	...	...	...	...	12
		„ „ „ Jaundice	...	...	1	...	...	1	...	...	...	...	1	...	3
		„ „ „ Enteritis	...	...	1	...	...	...	1	...	...	...	...	...	2
		„ „ „ Hæmorrhage	...	...	1	...	...	...	...	...	...	...	...	...	1
		„ „ „ Hepatitis	...	...	...	1	...	...	...	...	...	...	...	...	1
		„ „ „ Dentition	...	...	...	...	1	...	...	1	...	1	...	...	3
		„ „ „ Oedema of Lungs	...	...	...	...	...	1	...	...	...	...	...	...	1
		„ „ „ Abscess	...	...	...	...	...	...	...	1	...	...	...	...	1
		„ „ „ Liver Enlargement	...	...	...	...	...	...	...	...	...	1	...	...	1
		„ „ „ Inanition	...	...	...	...	...	...	...	1	...	...	...	...	1
		„ „ „ Starvation	...	1	...	...	...	...	...	...	...	...	...	...	1
		„ „ „ After Vaccination	...	1	...	...	...	...	...	1	...	...	1	2	5
		„ „ „ General Debility	...	1	...	5	3	1	1	1	1	...	1	3	17
		„ „ „ Elephantiasis	...	...	...	...	1	...	...	...	...	...	...	...	1
		„ „ „ Ulcer	...	...	...	...	1	...	...	...	...	...	...	...	1
		„ „ „ Carbuncle	...	...	...	...	...	1	...	...	...	...	...	...	1
		„ „ „ Bright's Disease	...	...	...	...	...	...	1	...	...	...	...	...	1

No. in Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
	General Diseases.													
	A.													
18	Remittent Fever and Collapse											1		1
19	Hæmogloburic (Black Water Fever)											1		1
20	Malignant Cholera	16	18	19	13	7	8	18	47	23	11	9	9	198
21	Diphtheria	6	14	6	3	9	4	1	1	18	7	3	1	6
22	Whooping Cough							3	6			19	2	97
27	Mumps		1	1				1	1		1	1		2
30	Influenza						1							3
31	Phagedena		3	4	3	1	1	2	3	2	3	1	3	1
	Erysipelas			1	2		1	5	2	1	1	1	3	25
	Pyæmia		2		3	4	4	14	8	3	5	3	11	69
	Septicæmia	8					1							1
32	Surgical							20	48	45	40	28	28	514
	Puerperal Fever	46	56	73	44	46	40				1			1
	Septic Fever										1			1
	,, Metritis				3	1				2	1	2	1	22
34	Acute Rheumatism	5	8	6	1			3						1
	,, Chronic Rheumatism			1					4	7	4	10	10	147
38	,, with Heart Failure	15	34	20	14	8	12	9						1
39	Acute Gout							1		1	8	4	4	1
	Arthritis Suppurating													1
43	Syphilis	14	10	9	18	4	5	10	8	5	8	1	1	91
	,, Secondary			1		5					1	1	2	4
	,, Tertiary			1							3	4	8	16
	,, Hereditary					1				3	1		1	6
	,, Congenital									2	2			5
	Syphilitic Phthisis											1		1
	Venereal Disease					1	1		4			2		2
44	Cancer	2	1	1	2	1	1							11
	,, Blood Poisoning													1
	,, Thyroid Gland						1							1
	,, Larynx											1		1
	,, Face													1
	,, Tongue			1		1					1			3
	,, Stomach					1				1				1
	,, Liver										1			2
	,, Bladder					1							1	1
	,, Foot													1
	,, Uterus						2			1				1
	,, Breast						1			1	1			4
	,, after Operation				1	1								1
	Epithelioma of Cheek	1												1
	,, of Penis													1
	Scirrhus Neck						1	2						3
	Fibrous Tumour										1			1
	Tumour Abdomen													1
	,, Throat			1		1								2
	,, Neck				3				4					11
46	Lupus													1
47	Rodent Ulcer										1			1

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Local Disease	No. in Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
		Diseases of the Nerves.													
Diseases of the Nervous System.	82	Atrophy		1			1								1
		Neurasthenia													1
	84	Paralysis	27	60	12	5	6	12	5	12	10	9	18	12	168
	85	Hemiplegia	17	15	11	17	11	14	9	7	9	18	14	10	152
	86	Paraplegia	3	5	2	2		3	5	8	1	4	1	2	36
	87	Locomotor Ataxy				1					1				1
		Functional Diseases of the Nervous System.													
	90	Tetanus	12	6	10	6	6	8	6	8	11	9	10	4	95
		Traumatic												4	4
		,, stone falling of his foot, accidental													4
		,, fall from a tree, accidental				2					1	1	1		4
		,, following a rat bite				1									2
		,, horse trodding on his big toe of right foot, accidental									1				1
		,, trod on a nail, accidental										1			1
		,, on a glass											1		1
		,, hand having caught in an anvil of a press											1		1
	91	Hydrophobia		1	3		1		2			2	2		13
	92	Infantile Convulsions	236	234	286	202	264	178	158	142	136	153	151	162	2,302
	93	Epilepsy	3	6	4		7	3	5	1	6	1			86
		Mania													1
	99	Hysteria			1	1			1	1	1			1	7
		Lock Jaw		1										1	1
		,, wound on the head caused by his falling on the road, accidental					1		1						1
		Brow Ague		1											1
		Hyperæsthesia												1	2
		Disorders of the Intellect.													1
	105	Mania		2			1		1			1			3
	106	Melancholia													3
		Delirium													2
	108	Paralysis of the Insane							1				2		1
															2
Diseases of the Eye, Ear and Nose.		*Diseases of the Conjunctiva.*													
	111	Conjunctivitis	1												1
		Diseases of the External Meatus.													
	191	Abscess						1							1
		Chronic Suppurative Otitis Media	1												1

| Local Diseases. | | |

Local Diseases.	No. in Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Diseases of the Respiratory System.		*Diseases of the Trachea and Bronchi.*													
	305	Bronchial Catarrh	58	2	3	...	1	1	...	...	...	1	...	57	8
	306	Bronchitis, Capillary	74	60	62	72	66	53	57	49	44	51	45	60	674
		Acute	156	84	112	116	134	88	42	42	55	62	89	110	893
		Chronic	48	171	216	166	184	117	130	117	120	111	119	28	1,717
		Broncho-Pneumonia	547	446	46	242	24	121	63	128	10	89	118	144	556
	314	Asthma	...	...	...	...	161	...	...	...	...	...	1	1	2,307
		Spasmodic	...	...	...	...	...	...	...	...	...	...	1	...	2
		Heart Failure	...	...	...	...	...	...	...	...	...	...	...	...	1
		Diseases of the Lung.													
	315	Pneumonia	182	229	270	182	165	114	99	90	94	85	73	114	1,697
		Acute	6	8	21	12	9	4		1	3	2	2		68
		Catarrhal		8		1							1	1	6
		Lobar												7	8
		Double											1	2	2
		Enlarged Liver												1	1
	317	Gangrene							1						1
	318	Passive Congestion			2	2			1		1		1		7
		Hæmoptysis						1	1						2
	320	Œdema						1	2	1					3
		Lung Disease	1		1		1			1	2	2		3	14
	322	Emphysema		1				1	2	1			1		2
	323	Atelectasis	1												1
	325	Pneumonic Phthisis of Lung				1									
		Diseases of the Pleura.													
	331	Pleurisy		4	1				3	2	1	2			15
		Pleuro-Pneumonia		3	1	2		2	1		1	1	1	1	11
	336	Pneumothorax	2							1	1				7
Diseases of the Digestive System.		*Diseases of the Mouth.*													
	353	Cancrum Oris	2	1	1						1				4
		Noma													1
		Diseases, Malformation and Injuries of the Teeth, Gums, Aveoli.													
	365	Teething	5	5	4	3	2	1		5	2	2	1		32
		Diarrhœa						1	1				6	2	7
		Dysentery													1
		Croup								1					1
		Convulsions										1			1

Local Diseases.

Diseases of the Digestive System.

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	No. in Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
		Parasitic Diseases.													
Local Diseases.	497	Ascaris Lumbricoides	5	13	15	11	5	8	6	5	7	6	1	4	81
		Diseases of the Liver.													
Diseases of the Digestive System.		Atrophy of Liver and Diarrhœa										1			1
	501	Hepatitis	25	32	29	23	18	23	29	16	25	33	22	26	291
		„ Hypertrophy												1	1
	502	Abscesses	5	8	8	7	4	4	5	5	4	6	1	3	60
		Liver Disease	7	7	13	3	12	5					2	2	51
	504	Simple Enlargement	4		3	2	1	2	3	2			2	3	23
	506	Cirrhosis	10	10	4	6	11	6	3	6	9	6	5	10	86
	513	Jaundice	9	6	6	8	7	6	3	1	3	5	3	6	63
		„ Pneumonia			1										1
		Diseases of the Spleen.													
		Enlarged Spleen	1			1									2
	528	Hypertrophy					1								1
		Diseases of the Peritoneum.													
	531	Peritonitis	3	4	10	8	3	2	1	7	3	2	2	6	51
		„ Acute					1						1		2
	532	Ascites	2	4	4	4			7	6	3	2	2	2	36
		„ Heart Failure		1											1
		Diseases of the Kidney.													
Urinary System.	538	Acute Bright's Disease	18	12	18	22	9	7	8	10	13	13	18	11	159
		Chronic Bright's Disease	2	9	8	3				1		1		5	29
		Pyo-Nephrosis													1
		Uræmia	2	1		2	1	1					1	2	12
		Diseases of the Bladder.													
	557	Cystitis	3	1		1			1					1	7
	570	Vesical Calculus						1				1		1	3
		„ „ and Operation		1						1		1			3
	571	Hæmaturia (Vesical)				1									1
	577	Retention of Urine			1	1							1		3
		Sepsis				1									1

| Local Divisions. | | |

Local Diseases.	No. in Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Diseases of the Generative System.		*Functional Diseases of the Female Organs of Generation.*													
	690	Amenorrhœa													1
	694	Menorrhagia		1	1	2	1			1					4
		AFFECTIONS CONNECTED WITH PREGNANCY.													
		Disorders of the Nervous System.													
		Neuralgia													1
		Disorders of the Generative System.													
	695	Mitritis	2		1		3	1	1	2	2	6	1	1	5
	708	Abortion	4	9	5	3		3						5	39
		,, and Fever		2				2					1		4
	704	Premature Labour		1	3				1	1	1	1			8
		,, Exhaustion							2						4
	705	Extra-Uterine Gestation	7	4		2	1	1	3	2				2	21
		Uterine disease	1		1						1			1	2
		Affections connected with Parturition.													
		Pregnancy and Vomiting						1							1
	706	Atony of the Uterus			1									1	2
	709	Hæmorrhage					1						2		3
		Placenta Prævia		1										1	2
		Affections consequent on Parturition.													
	717	Postpartem Hæmorrhage	1	4	2	5		2	4	3	11	6	9	10	57
		Puerperal Tetanus	3		2	4		2	2	6	7	3		1	33
		Confinement and Exhaustion		3	2		3		1	4	2	1	5	2	19
		Childbirth ... Debility		1		1			1						3
	727	,, Puerperal Convulsions		1		1	10	10	5			1	1		9
		,, Diarrhœa	6	1	10	6			6	8	4	1	4	6	75
	728	Sudden death after delivery			1				1		1				3
		Labour Complications				1			1		1				3
		Prootracted Labour and Exhaustion							1			1			2
		Shock after Operation										1	1		1
		Diseases of the Female Breast.													
	730	Abscess		1	1	1									3

| | | |

Poisons.

No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
	Metals and their Salts.													
906	Arsenic poisoning taking it instead of medicine, accidental		1											1
	" " by whom administered there is no evidence to show	1												1
	" " took it by mistake			1							1			1
	" suicidal													1
	Caustic Alkalies.													
	Bromide poisoning suicidal					1								1
	Corrosive poisoning											1		1
	Irritant poisoning												1	1
	Vegetable Poisons.													
936	Strychnia poisoning, suicidal					2	3	1		2	1	2		11
	Opium poisoning, accidental				7							1		8
	" suicidal	8		1				1	1	1		2		24
	" homicidal			1							1	1		3
	" unknown						1							1
938	Alcohol poisoning								1			3		4
	Chlorodyn- poisoning, over-dose taken by accident		1	1										2
943	Thorn apple					1								1
945	Cyanide of Potassium suicidal				1						1			2
	Indigo dye poisoning, accidental fall into a tub containing Indigo		1											1
	Animal Poisons.													
968	Ptomaine poisoning					1				1				2
	Gaseous poisoning					1								1
	Spirit Chloroform, suicidal													
	Morphia poisoning, accidental													1
	POISONED WOUNDS.													
	By venomous animals.													
985	Snake bite	1					2	1	1		1			6
	Reptile bite (unknown)		1		1	1								3

General Injuries.

| | | |

	No. in Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
General Injuries.		Asphyxia from drowning in the sea, accidental	...	...	...	2	...	3	4	...	1	...	...	...	10
		" " " " unknown	...	...	...	1	3	1	...	3	1	1	...	1	11
		" " " in a drain at Haines Road	...	...	...	...	...	1	...	...	...	...	...	...	1
		" " hanging, suicidal	...	1	...	...	...	1	2	...	1	...	...	1	6
		" " judicial strangulation	...	...	...	...	3	...	...	1	...	...	...	...	4
		" " strangling by his own turban which caught in a wheel of a reckla while he was driving, accidental	...	...	...	...	...	1	...	...	...	...	...	...	1
		" caused by the regurgitation of vomitted matter into the air passage	...	...	...	...	...	...	...	...	2	...	...	...	2
		" due to the suspension of a fish in the larynx, accidental	...	...	...	...	...	...	...	...	...	...	1	...	1
		Strangulation, how caused not known	...	...	...	...	...	...	...	...	...	...	...	1	1
	996	Privation	45	31	29	21	13	21	16	14	13	21	18	18	260
		INJURIES OF THE HEAD.													
Local Injuries.		Fracture of skull, knocked down by a carriage, accidental	2	...	...	...	...	...	...	...	...	...	...	...	2
		" " fall from the third storey of a house	2	1	...	...	...	1	...	...	...	...	...	...	4
		" " jumped out of a window from the 2nd storey of a house	1	...	1	...	...	...	...	...	...	...	...	...	2
		" " run over by a bullock cart, accidental	...	1	...	...	...	...	...	...	...	...	...	...	1
		" " fall from a height, accidental	...	1	...	2	...	...	...	...	...	...	...	...	3
		" " threw himself from a 2nd storey of a house, suicidal	...	...	2	...	...	...	...	...	...	...	...	...	2
		" " fall from a balcony of a house	...	...	1	...	...	...	...	...	...	...	...	...	1
		" " fall from a tramcar, accidental	...	...	1	...	...	...	...	...	...	...	...	...	1
		" " fall into the hold of a ship	...	...	1	...	2	1	1	...	...	...	...	...	5
		" " fall off a cocoanut tree, accidental	...	...	...	1	...	...	...	...	...	...	...	...	1
		" " threw himself from the 3rd storey of a house	...	...	...	1	...	...	...	...	...	...	...	...	1
		" " caused by a man falling on him from the 2nd storey of a house	...	...	...	1	...	...	...	...	...	...	...	...	1
		" " run over by a railway train, accidental	...	...	...	...	1	...	...	...	...	...	1	...	2
		" " the result of his being thrown off from his horse, accidental	...	...	...	...	1	...	...	...	...	...	...	...	1
		" " fall from a window on the 2nd storey of a chawl	...	...	...	...	1	...	1	...	...	1	...	...	3
		" " the result of an accidental fall of a plank which she was carrying on her head	...	...	...	...	1	...	...	...	...	...	...	...	1
		" " the result of a blow with a stick	...	...	...	...	1	...	...	...	...	...	1	...	2
		" " fall from a scaffolding	...	...	...	...	...	1	...	...	...	...	...	...	1
		" " fall from a storey of a house while painting	...	...	...	...	...	...	1	...	...	...	...	...	1
		" " from a 1st storey of a house	...	...	...	...	...	...	...	2	...	...	...	...	2
		" " fall of a timber on him, accidental	...	...	...	...	...	...	...	1	...	...	...	...	1
		" " fall from the 3rd storey of a house, accidental	...	...	...	...	...	...	...	1	...	...	...	...	1
		" " fall of a roof of a shed on him	...	...	...	...	...	...	...	1	...	...	...	1	2
		" " knocked down and run over by a tram car, accidental	...	...	...	...	...	...	...	...	1	...	...	...	1
		" " falling into the Dry Dock from the forecastle head of s.s. Muzaffery	...	...	...	...	...	...	...	...	1	...	...	...	1
		" " pressed bale of cotton fell on him, accidental	...	...	...	...	...	...	...	...	1	1	...	...	2
		" " fall from a staircase of a house	...	...	...	...	...	...	...	...	...	1	...	...	1
		" " by his having fallen and run over by a cart he was driving	...	...	...	...	...	...	...	...	...	1	...	...	1
		" " and other spinal injuries, knocked down by a Railway train, accidental	...	...	...	...	...	...	1	...	...	...	...	...	1
		" " fall of a case on his head	...	...	...	...	...	...	...	...	...	...	1	...	1
		" " fall into the hold of s.s. Nur Holm	...	...	...	...	...	...	...	...	...	...	...	1	1

Local Injuries.

| | | |

	No. in Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Local Injuries,		INJURIES—*contd.*													
	1049	Fracture of ribs, knocked down by a tram car, accidental					2								2
		Simple fracture of 6th, 7th, 8th, 9th and 10th ribs and internal abdominal injuries, knocked down by a bullock cart, accidental										1			1
		Fracture of ribs with injury to the lung caused by sudden fall of earth over him while working in an excavation												1	1
	1053	Hæmorrhage from lung due to bullet wound, suicidal								1					1
		Hæmorrhage and shock following punctured wound of chest and abdomen, cause not known										1			1
	1056	Injuries to the left vertical of heart, inflicted by a knife, suicidal		1											1
		„ „ right „ „ „ „ homicidal		1											1
		Simple fracture of 5th, 6th and 7th ribs, run over by a cart, accidental						1							1
		Injury to the spine by an accidental fall	1												1
		„ „ „ the result of an accidental fall of a bag of myrabolan on him			1										1
		Fracture of spine, run over by a bullock cart, accidental		1											1
		„ „ fall of a bag of rice on him, accidental			1										1
		„ „ fall of a bag of sugar on him, accidental			1										1
		„ „ fall from a tree, accidental					1								1
		„ „ with displacement by an accidental fall of bag of rice on him						1	1						2
		„ „ without displacement of bone by an accidental fall from a bullock cart						1							1
		„ of cervical vertibra of spine, the result of an accidental fall of a bag of sugar on him					1								1
		„ of spine with displacement of bone, fall from a 1st storey of a shed in the Prince's Dock								1					1
		„ „ bag of grain fell on him from a sling, accidental								1					1
		„ „ bale of cotton fell on him, accidental								1					1
	1064	Internal injuries, run over by a bullock cart, accidental	1	1		1				1					4
		„ „ fall from a 2nd storey of a chawl	1			1	1			3					6
		„ „ and shock, fall from a toddy tree, accidental	2												2
		„ „ fall from a staircase, accidental		1	1										2
		„ „ crushed between the buffers of two wagons while shunting, accidental				1									1
		„ „ threw himself from the 3rd storey of a house while under the delirium of fever					1				1				2
		„ „ knocked down by a buffalo, accidental					1								1
		„ „ caused by a fall between the prow and the wharf							1						1
		„ „ accidental fall of a bag of grain while carrying									2				2
		„ „ jumped out of a window on the 2nd storey of a house									1				1
		„ „ kicked by a horse, accidental									1				1
		„ „ knocked down by a stray away cow, accidental									1				1
		„ „ knocked down and run over by a pony cart									1				1
		„ „ fall from a bullock cart, accidental										1			1
		abdominal injuries, run over by a bullock cart, accidental		2		1									3
		„ „ fall of a rock while blasting		1											1

Local Injuries.

| | | |

	No. in Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
		Injuries of the Lower Extremities—contd.													
Local Injuries.		Hæmorrhage from wounds inflicted by a knife, homicidal, by a fanatic			1										1
		Shock, due to the accidental fall from a window of the 2nd storey of a house.			2										2
		Lacerated wound, knocked down and run over by a bullock cart						1							1
		Exhaustion following injuries by his having been caught in a mill machinery.										1			1
		Gunshot wound, suicidal											1		1
		Hæmorrhage, run over by one of the wheels of a landau, accidental												1	1
		Unspecified causes	4	2	8	10	4	3		6	2	5	2	1	47
	1137	Injuries to the foot, cause not known		1											1
		,, ,, leg, accidental		1											1
		Dislocation of knee joint and injury			1										1
		Shock due to fracture of hip joint, run over by a bullock cart, accidental			1										1
		Injury to the right foot, trod on a piece of glass, accidental				1									1
		Injury to the foot, caused by a red hot particle of iron falling on his foot, accidental				1									1
		Wound of left foot, fall from a tram car, accidental						1							1

CAUSES of DEATHS at different Ages amongst JAINS during the Year beginning 1st January 1901.

| | | MALES. | | |

VI.

CAUSES of DEATHS at different Ages amongst BRAHMINS during the Year beginning 1st January 1901.

| | | MALES. | | |

CAUSES of DEATHS at different Ages amongst LINGAYETS during the Year beginning 1st January 1901.

| | | MALES. | | |

VIII.

CAUSES of DEATHS at different Ages amongst BHATIAS during the Year beginning 1st January 1901.

| | | MALES. | | |

CAUSES of DEATHS at different Ages amongst HINDUS OF OTHER CASTES, during the Year beginning 1st January 1901.

| | | MALES. | | |

CAUSES of DEATHS at different Ages amongst HINDUS LOW-CASTE, during the Year beginning 1st January 1901.

| | | MALES. | | |

XI.

CAUSES of DEATHS at different Ages amongst MUSSULMANS, during the Year beginning 1st January 1901.

| | | MALES. | | |

CAUSES of DEATHS at different Ages amongst PARSEES during the Year beginning 1st January 1901.

| | | MALES. | | | | | | | | | | | | | | | | | | | | | | | | | FEMALES. | | | | | | | | | | | | | | | | | | | | | | | | PERSONS. | | | | | | | | | | | | | | | | | | |

CAUSES of DEATHS at different Ages amongst JEWS during the Year beginning 1st January 1901.

| | | MALES. | | |

XIV.

CAUSES of DEATHS at different Ages amongst NATIVE CHRISTIANS during the Year beginning 1st January 1901.

| | | MALES. | | | | | | | | | | | | | | | | | | | | | | | FEMALES. | | | | | | | | | | | | | | | | | | | PERSONS. | | | | | | | | | | | | | | | | | | |

XV.

CAUSES of DEATHS at different Ages amongst EURASIANS during the Year beginning 1st January 1901.

| | | MALES. | | |

XVI.

CAUSES of DEATHS at different Ages amongst EUROPEANS during the Year beginning 1st January 1901.

		MALES.																							FEMALES.																			PERSONS.																			
		Days.	Months.	YEARS.																			All Ages.	Days.	Months.	YEARS.																			All Ages.	Days.	Months.	YEARS.																			All Ages.	
		1 to 30	1 to 6	7 to 12	1 to 2	2 to 3	3 to 4	4 to 5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 and over			1 to 30	1 to 6	7 to 12	1 to 2	2 to 3	3 to 4	4 to 5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 and over			1 to 30	1 to 6	7 to 12	1 to 2	2 to 3	3 to 4	4 to 5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 and over		
GENERAL DISEASES.	A Fever. Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	A Fever. Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	A Fever. Enteric	..	1	..	..	..	..	..	..	3	4	4	..	1	2	..	1	..	..	..	16	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18
	A Fever. Simple continued	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	A Fever. Ague	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
	A Fever. Remittent	..	..	1	..	..	..	..	..	1	..	..	..	..	1	..	..	..	2	5	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	1	..	..	1	..	..	1	6	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	11
	A Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	A Plague	..	1	..	..	..	..	..	1	..	..	..	2	1	..	2	..	..	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	3	..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	10
	A All other diseases classed under Section A of General Diseases	..	..	..	1	..	..	..	..	..	1	2	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	8
	B Leprosy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	B Dropsy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	B All other diseases classed under Section B of General Diseases	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	5	..	..	..	1	..	1	11	..	..	..	1	..	..	..	2	1	5	1	..	..	2	..	2	14
LOCAL DISEASES.	Diseases of the Nervous system	1	2	..	..	..	..	..	..	..	..	2	2	..	..	1	1	..	..	9	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	13
	Diseases of the Eye, Ear, and Nose	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Diseases of the Circulatory system	..	..	..	..	..	..	..	..	1	..	2	..	2	..	2	..	2	3	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	2	4	..	..	..	..	..	..	..	1	..	2	1	2	1	2	..	2	5	18
	Diseases of the *Absorbent* system and ductless glands	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Diseases of the Respiratory system	..	1	1	1	1	..	..	1	2	1	1	1	..	2	..	..	1	3	16	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	1	3	3	1	..	..	1	2	1	1	1	..	2	..	..	1	3	20
	Diseases of the Digestive system. Diarrhœa	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	2	6	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	1	1	..	..	..	..	..	2	..	..	..	1	2	8
	Diseases of the Digestive system. Dysentery	..	..	..	1	1	..	..	..	1	..	..	..	1	..	1	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	..	..	..	1	..	..	..	..	..
	All other diseases registered under Digestive system	1	2	1	..	..	..	..	..	..	..	2	3	1	4	..	1	2	1	18	..	3	1	2	..	..	..	..	..	..	..	..	..	1	1	1	1	2	1	..	2	15	1	5	2	2	..	..	..	..	..	..	3	4	2	5	2	2	3	33
	Diseases of the Urinary system	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	2	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	2	..	..	..	..	..	..	..	..	..	..	1	..	1	1	2	6
	Diseases of the Generative system	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Diseases of the Organs of Locomotion and Cellular Tissue	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
	Diseases of the Cutaneous system	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Conditions not necessarily associated with General or Local Diseases.	Premature Birth	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5
	Old Age	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
	Debility	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	3	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	3
Accident and Violence.	Poisons	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	..	2	..	..	..	4
	General Injuries	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Local Injuries	..	..	..	..	..	1	..	..	..	2	1	1	1	1	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	6
	Drowning	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Unspecified Causes		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
All Causes, exclusive of Still-born		7	9	3	2	3	..	..	2	7	8	15	9	12	14	4	6	9	17	127	3	4	4	5	..	..	..	1	1	4	3	7	3	4	5	4	..	8	62	10	13	7	7	3	..	..	3	8	12	24	16	15	18	9	10	9	25	189
Cholera, Small-pox, Measles and Plague		..	1	..	..	..	..	..	1	..	..	2	1	..	2	..	..	..	..	7	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	3	..	1	..	..	..	..	..	..	..	..	2	1	1	4	..	..	..	..	10
All other Causes		7	8	3	2	3	..	..	1	7	8	13	8	11	14	2	6	9	17	120	3	4	4	5	..	..	..	1	1	4	3	7	3	3	4	..	..	8	59	10	12	7	7	3	..	..	2	8	12	24	14	14	17	5	10	9	25	179

GENERAL DISEASES.	A Fever. Small-pox
	A Fever. Measles
	A Fever. Enteric
	A Fever. Simple continued
	A Fever. Ague
	A Fever. Remittent
	A Cholera
	A Plague
	A All other diseases classed under Section A of General Diseases
	B Leprosy
	B Dropsy
	B All other diseases classed under Section B of General Diseases
LOCAL DISEASES.	Diseases of the Nervous system
	Diseases of the Eye, Ear, and Nose
	Diseases of the Circulatory system
	Diseases of the *Absorbent* system and ductless glands
	Diseases of the Respiratory system
	Diseases of the Digestive system. Diarrhœa
	Diseases of the Digestive system. Dysentery
	All other diseases registered under Digestive system
	Diseases of the Urinary system
	Diseases of the Generative system
	Diseases of the Organs of Locomotion and Cellular Tissue
	Diseases of the Cutaneous system
Conditions not necessarily associated with General or Local Diseases.	Premature Birth
	Old Age
	Debility
Accident and Violence.	Poisons
	General Injuries
	Local Injuries
	Drowning
Unspecified Causes	
All Causes, exclusive of Still-born	
Cholera, Small-pox, Measles and Plague	
All other Causes	

CAUSES of DEATHS at different Ages amongst NEGRO-AFRICANS during the Year beginning 1st January 1901.

| | | MALES. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | FEMALES. | | | | | | | | | | | | | | | | | | | | | | | | | PERSONS. | | | | | | | | | | | | | | | | | | |

CAUSES of DEATHS at different Ages amongst CHINESE during the Year beginning 1st January 1901.

| | | MALES. | | |

CAUSES of DEATHS at different Ages amongst OTHER and UNKNOWN CASTES during the Year beginning 1st January 1901.

| | | MALES. | | |

CAUSES of DEATHS at different Ages amongst ALL RACES and CASTES during the Year beginning 1st January 1901.

| | | MALES. | | |

DEATHS from different CAUSES in different Months arranged in Quarters for the Year beginning 1st January 1901.

CAUSES OF DEATHS.	MALES. 1st Quarter. January.	February.	March.	Total.	2nd Quarter. April.	May.	June.	Total.	3rd Quarter. July.	August.	September.	Total.	4th Quarter. October.	November.	December.	Total.
GENERAL DISEASES.																
A Fevers. Small-pox	12	12	20	44	16	8	8	32	5	3	3	11	..	1	1	2
A Measles	1	6	2	9	15	5	3	17	4	..	2	6	2	..	1	3
A Enteric fever	1	5	5	11	3	6	1	11	2	5	4	11	3	5	5	13
A Simple continued Ague	4	5	3	12	1	7	3	11	8	..	4	12	9	15	12	36
A Remittent fever	19	34	64	117	37	27	20	84	30	23	16	69	11	16	12	39
A Cholera	387	567	765	1719	565	501	255	1321	260	266	275	791	224	231	261	716
A Plague	11	13	11	35	9	3	6	18	14	28	18	60	6	7	9	22
A All other diseases classed under Section A of General Diseases	1146	2655	3185	6986	1582	745	212	2539	284	579	691	1554	509	509	514	1532
B Leprosy	115	164	134	413	145	139	78	362	71	77	100	248	84	71	60	215
B Dropsy	10	5	6	21	5	9	6	20	7	4	4	15	5	6	8	14
B All other diseases classed under Section B of General Diseases	4	6	4	14	6	4	5	15	2	6	5	13	1	7	7	15
	432	502	489	1433	369	323	272	964	248	285	222	735	264	214	262	740
Diseases of the Nervous system	171	182	191	544	152	156	139	447	114	110	94	318	120	110	111	341
Diseases of the Eye, Ear and Nose	1	..	..	1	1	..	1	2	..	..	..	..	2	..	..	2
Diseases of the Circulatory system	18	20	16	66	12	23	13	48	11	13	20	44	13	23	21	57
Diseases of the Absorbent system and ductless glands	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the Respiratory system	519	583	618	1720	447	415	277	1139	245	245	231	721	222	253	300	775
Diseases of the Digestive system. Diarrhœa	175	138	120	433	120	99	76	295	84	107	129	320	105	103	113	321
Diseases of the Digestive system. Dysentery	101	107	93	301	51	85	45	181	65	73	68	206	49	53	45	147
Diseases of the Digestive system. All other diseases classed under Digestive system	75	79	95	249	62	68	51	181	51	49	46	146	52	52	56	160
Diseases of the Urinary system	18	14	21	53	19	7	7	33	8	7	10	25	13	15	13	41
Diseases of the Generative system	2	2	1	5	1	..	..	1	1	2	2	5	..	1	..	1
Diseases of the Organs of Locomotion and Cellular Tissue	9	8	5	22	10	7	5	22	6	6	4	16	13	6	6	25
Diseases of the Cutaneous system	1	1	3	5	1	4	3	8	4	1	2	7	2	..	2	4
Conditions not necessarily associated with General or Local Diseases. Still-born	80	93	97	270	104	107	112	323	109	123	117	349	123	93	99	315
Conditions not necessarily associated with General or Local Diseases. Premature Birth	4	3	3	10	3	3	4	10	3	4	5	12	..	1	4	5
Conditions not necessarily associated with General or Local Diseases. Old Age	94	87	73	254	70	54	32	156	61	66	52	179	47	48	57	152
Conditions not necessarily associated with General or Local Diseases. Debility	135	112	137	374	131	102	103	336	100	153	131	434	121	134	145	400
Accident and Violence. Poisons	4	5	3	10	5	6	6	17	2	3	3	8	4	8	3	15
Accident and Violence. General Injuries	29	34	23	86	16	21	21	58	13	15	14	42	17	18	14	49
Accident and Violence. Local Injuries	14	11	25	50	17	17	14	48	8	12	11	31	13	12	14	39
Accident and Violence. Drowning	6	5	10	21	14	16	11	41	14	7	11	32	8	4	5	17
Unspecified Causes	3	2	6	11	7	2	1	10	..	5	1	6	4	1	1	6
Total	3001	3488	3230	9519	3990	2966	1784	8740	1874	2257	2283	6414	2062	2034	2192	6278
All Causes, exclusive of Still-born	3521	3395	3133	10049	3886	2859	1682	8427	1765	2134	2166	6065	1939	1941	2093	5963
Cholera, Small-pox, Measles and Plague	1170	2686	3218	7074	1616	761	229	2606	307	610	714	1631	517	517	525	1559
All other Causes	2351	2709	2915	7975	2270	2098	1453	5821	1458	1524	1452	4434	1412	1424	1568	4404

CAUSES OF DEATHS.	FEMALES. 1st Quarter. January.	February.	March.	Total.	2nd Quarter. April.	May.	June.	Total.	3rd Quarter. July.	August.	September.	Total.	4th Quarter. October.	November.	December.	Total.
GENERAL DISEASES.																
A Fevers. Small-pox	8	8	18	32	9	11	7	27	10	1	..	11	..	..	..	..
A Measles	5	6	4	15	8	..	1	9	4	..	1	5	2	..	1	3
A Enteric fever	3	5	1	9	5	4	2	11	2	1	2	5	1	..	2	3
A Simple continued Ague	12	29	35	76	19	24	9	52	6	6	19	31	5	9	6	20
A Remittent fever	367	320	166	853	156	152	158	467	192	145	118	455	221	145	185	551
A Cholera	5	5	8	18	4	4	2	10	4	10	4	18	6	8	5	19
A Plague	877	407	100	1384	147	303	357	807	230	286	218	734	1609	1850	1697	1056
A All other diseases classed under Section A of General Diseases	463	1195	1512	3170	877	407	100	1384	147	303	357	807	230	286	218	734
B Leprosy	75	106	125	306	85	122	89	296	48	84	100	232	76	65	68	209
B Dropsy	4	3	3	8	1	3	..	4	..	1	2	3	2	3	3	8
B All other diseases classed under Section B of General Diseases	4	2	3	9	6	5	7	18	2	5	5	12	2	9	5	16
	354	406	441	1201	391	357	282	1030	268	240	268	785	280	259	258	797
Diseases of the Nervous system	145	133	158	434	98	157	95	350	85	78	92	255	90	99	93	282
Diseases of the Eye, Ear and Nose	1	..	..	1	..	1	..	1	1	..	..	1	..	..	..	..
Diseases of the Circulatory system	13	7	8	28	9	6	4	19	4	6	4	14	8	10	3	21
Diseases of the Absorbent system and ductless glands	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the Respiratory system	357	477	465	1299	374	322	241	937	190	220	187	597	197	199	221	617
Diseases of the Digestive system. Diarrhœa	101	90	93	284	92	68	63	223	50	105	84	239	77	60	93	230
Diseases of the Digestive system. Dysentery	47	53	45	147	32	44	23	99	53	49	41	143	32	31	31	94
Diseases of the Digestive system. All other diseases classed under Digestive system	40	21	29	90	29	34	33	96	34	22	45	101	117	123	142	382
Diseases of the Urinary system	12	3	8	23	12	5	6	13	5	9	7	21	26	24	30	80
Diseases of the Generative system	26	22	32	80	28	23	19	70	28	23	20	71	28	38	33	99
Diseases of the Organs of Locomotion and Cellular Tissue	1	9	4	14	6	4	4	14	2	6	5	13	4	2	6	12
Diseases of the Cutaneous system	2	2	2	6	2	2	3	7	2	1	2	5	2	..	..	2
Conditions not necessarily associated with General or Local Diseases. Still-born	46	65	85	196	64	74	79	217	76	80	39	255	83	70	75	228
Conditions not necessarily associated with General or Local Diseases. Premature Birth	4	3	2	9	2	4	3	9	7	5	1	13	5	4	3	12
Conditions not necessarily associated with General or Local Diseases. Old Age	93	119	136	348	94	60	58	212	78	63	75	216	71	52	77	200
Conditions not necessarily associated with General or Local Diseases. Debility	106	121	103	330	104	115	86	305	98	145	124	371	109	127	129	365
Accident and Violence. Poisons	1	1	3	5	..	1	..	1	1	..	..	1	..	1	..	1
Accident and Violence. General Injuries	25	12	16	53	9	4	6	19	8	4	10	22	6	5	10	21
Accident and Violence. Local Injuries	7	5	2	14	1	5	..	6	3	4	2	9	6	2	2	10
Accident and Violence. Drowning	3	3	3	9	3	3	1	7	4	3	6	13	2	4	1	7
Unspecified Causes	1	..	2	3	3	2	2	7	..	1	1	2	1	1	..	2
Total	2126	3296	3792	9215	2751	2176	1892	6819	1371	1673	1718	4762	1596	1483	1511	4592
All Causes, exclusive of Still-born	2080	3231	3708	9019	2687	2101	1813	6101	1295	1583	1629	4507	1513	1415	1438	4366
Cholera, Small-pox, Measles and Plague	479	1214	1542	3235	898	422	104	1430	165	323	363	851	287	268	220	775
All other Causes	1601	2017	2166	5784	729	1679	1200	4671	1130	1260	1266	3656	1226	1147	1216	3589

CAUSES OF DEATHS.	PERSONS. 1st Quarter. January.	February.	March.	Total.	2nd Quarter. April.	May.	June.	Total.	3rd Quarter. July.	August.	September.	Total.	4th Quarter. October.	November.	December.	Total.	Year.
GENERAL DISEASES.																	
A Fevers. Small-pox	20	20	38	78	25	19	15	59	15	4	3	22	..	1	1	2	159
A Measles	6	12	6	24	17	5	4	26	8	..	3	11	4	..	2	6	67
A Enteric fever	4	10	4	21	6	11	5	22	10	3	6	19	13	23	15	51	113
A Simple continued Ague	16	34	39	89	25	31	20	76	14	9	15	38	20	14	14	48	249
A Remittent fever	551	910	1302	2763	932	821	421	2174	406	419	433	1258	418	376	379	1171	7266
A Cholera	16	18	19	53	13	7	8	28	18	47	23	88	11	9	9	29	198
A Plague	1609	3850	4697	10156	2489	1152	812	3923	431	882	1048	2361	789	775	732	2296	18736
A All other diseases classed under Section A of General Diseases	280	286	218	784	230	281	167	678	119	161	200	480	160	136	128	424	2301
B Leprosy	11	8	6	25	5	10	8	23	9	1	7	23	7	7	12	26	97
B Dropsy	8	8	7	23	12	8	12	33	4	11	10	25	3	16	12	31	112
B All other diseases classed under Section B of General Diseases	786	908	940	2634	760	680	554	1994	516	515	490	1521	544	473	520	1537	7686
Diseases of the Nervous system	316	315	347	978	250	313	234	797	199	188	188	575	210	209	204	623	2871
Diseases of the Eye, Ear and Nose	2	..	..	2	1	1	1	3	1	..	...	1	2	...	..	2	8
Diseases of the Circulatory system	31	37	26	94	21	20	17	67	16	19	24	58	21	33	24	78	297
Diseases of the Absorbent system and ductless glands	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the Respiratory system	876	1060	1083	3019	82	737	518	2078	435	464	418	1317	419	452	52.	1392	7804
Diseases of the Digestive system. Diarrhœa	276	248	213	737	212	167	139	518	134	212	223	569	182	125	206	551	2875
Diseases of the Digestive system. Dysentery	160	160	138	448	83	108	68	260	118	122	97	337	87	102	107	296	1341
Diseases of the Digestive system. All other diseases classed under Digestive system	117	123	142	382	102	80	89	271	80	83	79	242	86	74	101	261	1156
Diseases of the Urinary system	38	27	38	103	24	30	30	84	32	10	10	52	10	12	16	38	232
Diseases of the Generative system	28	38	33	99	29	23	23	75	30	25	33	88	15	24	32	71	333
Diseases of the Organs of Locomotion and Cellular Tissue	10	17	9	36	16	11	9	36	5	12	9	29	17	8	12	37	138
Diseases of the Cutaneous system	3	1	3	7	5	6	6	15	6	2	4	12	4	..	2	6	40
Conditions not necessarily associated with General or Local Diseases. Still-born	126	158	182	466	168	18.	191	540	185	213	206	604	206	162	174	543	2153
Conditions not necessarily associated with General or Local Diseases. Premature Birth	8	6	6	20	5	7	7	19	10	9	6	25	5	5	7	17	80
Conditions not necessarily associated with General or Local Diseases. Old Age	187	200	205	602	164	114	90	368	139	129	127	393	118	100	134	352	1717
Conditions not necessarily associated with General or Local Diseases. Debility	241	233	230	704	235	217	189	641	248	302	255	805	230	261	274	765	2915
Accident and Violence. Poisons	6	2	4	12	3	2	4	9	4	2	3	9	4	2	3	9	60
Accident and Violence. General Injuries	54	46	39	139	25	25	27	77	21	19	24	64	23	23	24	70	350
Accident and Violence. Local Injuries	21	16	27	64	18	22	14	54	11	16	13	40	19	14	16	49	207
Accident and Violence. Drowning	10	7	13	30	17	19	12	48	18	10	17	45	10	8	6	24	147
Unspecified Causes	4	2	8	14	10	4	3	17	..	6	2	8	5	2	1	8	47
Total	5727	6784	10023	24534	6741	5141	3186	15068	3245	3930	4001	11176	3648	3519	3703	10870	61648
All Causes, exclusive of Still-born	5601	6626	9841	24068	6575	4960	2995	14528	3058	3717	3795	10572	3442	3356	3529	10327	59495
Cholera, Small-pox, Measles and Plague	1649	3900	4760	10309	2514	1183	339	4036	472	933	1077	2482	804	795	744	2333	19186
All other Causes	4078	2884	5263	14225	4227	3958	2847	11032	2773	2997	2924	8694	2844	2724	2959	8527	42462

CAUSES OF DEATHS.	Year.
GENERAL DISEASES.	
A Fevers. Small-pox	159
A Measles	67
A Enteric fever	62
A Simple continued Ague	113
A Remittent fever	480
A Cholera	7268
A Plague	198
A All other diseases classed under Section A of General Diseases	18736
B Leprosy	2301
B Dropsy	97
B All other diseases classed under Section B of General Diseases	112
	7686
Diseases of the Nervous system	2871
Diseases of the Eye, Ear and Nose	8
Diseases of the Circulatory system	297
Diseases of the Absorbent system and ductless glands	..
Diseases of the Respiratory system	7804
Diseases of the Digestive system. Diarrhœa	2875
Diseases of the Digestive system. Dysentery	1341
Diseases of the Digestive system. All other diseases classed under Digestive system	1156
Diseases of the Urinary system	232
Diseases of the Generative system	333
Diseases of the Organs of Locomotion and Cellular Tissue	138
Diseases of the Cutaneous system	40
Conditions not necessarily associated with General or Local Diseases. Still-born	2153
Conditions not necessarily associated with General or Local Diseases. Premature Birth	80
Conditions not necessarily associated with General or Local Diseases. Old Age	1717
Conditions not necessarily associated with General or Local Diseases. Debility	2915
Accident and Violence. Poisons	60
Accident and Violence. General Injuries	350
Accident and Violence. Local Injuries	207
Accident and Violence. Drowning	147
Unspecified Causes	47
Total	61648
All Causes, exclusive of Still-born	59495
Cholera, Small-pox, Measles and Plague	19186
All other Causes	42462

GENERAL DISEASES. LOCAL DISEASES. Conditions not necessarily associated with General or Local Diseases. Accident and Violence.

XXII.

DEATHS at different AGES in different MONTHS in Quarters for the Year beginning 1st January 1901.

MONTHS.	AGES. Days. 1 to 30	Months. 1 to 6	7 to 12	Years. 1 to 2	2 to 3	3 to 4	4 to 5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 and over	All Ages, exclusive of Still-born.	Still-born.	Total.	MONTHS.
MALES.																							
January	119	78	105	90	56	28	34	94	203	207	330	367	423	255	299	127	189	83	434	3,521	80	3,601	January.
February	94	109	114	91	65	52	59	206	397	380	561	695	722	407	425	165	252	83	518	5,395	93	5,488	February.
March	98	132	139	115	53	63	64	228	450	460	639	920	833	489	465	169	255	95	466	6,133	97	6,230	March.
Quarter, 1st	311	319	358	296	174	143	157	528	1,050	1,047	1,530	1,982	1,978	1,151	1,189	461	696	261	1,418	15,049	270	15,319	Quarter, 1st.
April	105	132	143	90	36	29	45	137	217	261	388	525	480	326	268	120	182	65	337	3,886	104	3,990	April.
May	94	156	159	120	46	26	17	73	135	151	250	362	389	186	198	78	141	45	233	2,859	107	2,966	May.
June	118	99	88	75	20	14	14	39	66	69	129	200	181	112	136	56	79	37	150	1,682	112	1,794	June.
Quarter, 2nd	317	387	390	285	102	69	76	249	418	481	767	1,087	1,050	624	602	254	402	147	720	8,427	323	8,750	Quarter, 2nd.
July	151	85	97	69	22	18	15	46	79	102	137	163	183	143	121	49	77	28	180	1,765	109	1,874	July.
August	163	80	103	79	25	19	14	53	103	139	196	218	230	147	136	67	112	28	222	2,134	123	2,257	August.
September	137	80	86	80	37	15	19	51	132	152	210	234	231	155	145	84	86	24	206	2,166	117	2,283	September.
Quarter, 3rd	451	245	288	228	84	52	48	150	314	393	543	615	644	445	402	200	275	80	608	6,065	349	6,414	Quarter, 3rd.
October	137	80	75	79	31	18	13	59	98	111	171	181	180	130	147	72	105	35	207	1,929	123	2,052	October.
November	128	99	88	63	30	25	19	59	95	90	159	188	177	158	156	67	104	28	208	1,941	93	2,034	November.
December	137	106	93	61	43	19	18	55	95	97	163	233	236	154	144	83	109	35	212	2,093	99	2,192	December.
Quarter, 4th	402	285	256	203	104	62	50	173	288	298	493	602	593	442	447	222	318	98	627	5,963	315	6,278	Quarter, 4th.
FEMALES.																							
January	92	82	95	100	38	31	42	115	146	136	161	170	153	84	117	37	79	31	371	2,080	46	2,126	January.
February	90	96	112	105	59	45	46	231	339	217	242	310	286	134	182	89	141	40	467	3,231	65	3,296	February.
March	79	118	139	123	56	42	54	235	348	275	401	354	313	189	207	89	154	54	482	3,708	85	3,793	March.
Quarter, 1st	257	296	346	328	153	118	142	581	833	628	804	834	752	407	506	215	374	125	1,320	9,019	196	9,215	Quarter, 1st.
April	73	106	154	90	53	23	35	144	233	197	252	253	245	142	148	60	125	38	316	2,687	64	2,751	April.
May	100	148	141	126	36	24	21	79	143	130	181	223	185	90	139	32	63	19	227	2,101	74	2,175	May.
June	91	99	100	62	26	10	10	33	60	94	105	131	119	57	65	29	50	6	166	1,313	79	1,392	June.
Quarter, 2nd	264	353	395	272	115	57	66	256	436	421	538	607	549	289	352	121	238	63	709	6,101	217	6,318	Quarter, 2nd.

July	98	89	106	57	22	10	17	52	84	96	101	104	104	56	59	24	53	11	152	1,295	76	1,371	July.
August	153	79	102	75	41	22	18	56	118	95	136	129	133	63	76	20	52	22	193	1,583	90	1,673	August.
September	137	87	93	77	30	11	19	76	121	114	155	129	131	70	69	24	74	18	194	1,629	89	1,718	September.
Quarter, 3rd	388	255	301	209	93	43	54	184	323	305	392	362	368	189	204	68	179	51	539	4,507	255	4,762	Quarter, 3rd.
October	126	78	100	80	39	20	23	69	93	86	117	118	138	72	68	34	53	19	180	1,513	83	1,596	October.
November	125	98	66	64	34	20	11	52	83	95	124	108	119	45	76	31	51	22	191	1,415	70	1,485	November.
December	128	89	94	59	36	19	12	62	74	71	120	134	109	58	70	15	54	26	206	1,436	75	1,511	December.
Quarter, 4th	379	265	260	203	109	59	46	183	250	252	361	360	366	175	214	80	158	67	577	4,364	228	4,592	Quarter, 4th.

PERSONS.

January	211	160	200	190	94	59	76	209	349	343	491	537	576	339	416	164	268	114	805	5,601	126	5,727	January.
February	184	205	226	196	124	97	105	437	736	597	803	1,005	1,008	541	607	254	393	123	985	8,626	158	8,784	February.
March	173	250	278	238	109	105	118	463	798	735	1,040	1,274	1,146	678	672	258	409	149	948	9,841	182	10,023	March.
Quarter, 1st	568	615	704	624	327	261	299	1,109	1,883	1,675	2,334	2,816	2,730	1,558	1,695	676	1,070	386	2,738	24,068	466	24,534	Quarter, 1st.
April	178	238	297	180	89	52	80	281	450	458	640	778	725	468	416	180	307	103	653	6,573	168	6,741	April.
May	194	304	300	240	82	50	38	152	278	281	431	585	574	276	337	110	204	64	460	4,960	181	5,141	May.
June	209	198	188	137	46	24	24	72	126	163	234	331	300	169	201	85	129	43	316	2,995	191	3,186	June.
Quarter, 2nd	581	740	785	557	217	126	142	505	854	902	1,305	1,694	1,599	913	954	375	640	210	1,429	14,528	540	15,068	Quarter, 2nd.
July	249	174	203	126	44	28	32	98	163	198	238	267	287	199	180	73	130	30	332	3,060	185	3,245	July.
August	316	159	205	154	66	41	32	109	221	234	332	347	363	210	212	87	164	50	415	3,717	213	3,930	August.
September	274	167	181	157	67	26	38	127	253	266	365	363	362	225	214	108	160	42	400	3,795	206	4,001	September.
Quarter, 3rd	839	500	589	437	177	95	102	334	637	698	935	977	1,012	634	606	268	454	131	1,147	10,572	604	11,176	Quarter, 3rd.
October	263	158	175	159	70	38	36	128	191	197	288	299	318	202	215	106	158	54	387	3,442	206	3,648	October.
November	253	197	154	127	64	45	30	111	178	185	283	296	296	203	232	98	155	50	399	3,356	163	3,519	November.
December	265	195	187	130	79	38	30	117	169	168	283	367	345	312	214	98	168	61	416	3,529	174	3,703	December.
Quarter, 4th	781	550	516	406	213	121	96	356	538	550	854	962	959	617	661	302	476	165	1,204	10,327	543	10,870	Quarter, 4th.
Year	2,769	2,405	2,594	2,024	934	603	639	2,304	3,912	3,825	5,428	6,449	6,300	3,722	3,916	1,621	2,640	892	6,518	59,495	2,153	61,648	Year.
Months.	1 to 30	1 to 6	7 to 12	1 to 2	2 to 3	3 to 4	4 to 5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 and over	All Ages, exclusive of Still-born.	Still-born.	Total.	Months.
	Days.	Months.		Years.																			
	AGES.																						

XXIII.

DEATHS at different AGES in different LOCALITIES during the Year beginning 1st January 1901.

Persons.	A						B					C							D						E							F				G			Harbour and Docks, Railways and Homeless.	Total.	Persons.
Ages.	1	2	3	4	5	Total.	1	2	3	4	Total.	1	2	3	4	5	6	Total.	1	2	3	4	5	Total.	1	2	3	4	5	6	7	Total.	1	2	3	Total.	1	2	Total.			Ages.
	Upper Colaba.	Middle and Lower Colaba.	Fort, Southern.	Fort, Northern.	Esplanade.	Total.	Mandvi.	Chuckla.	Umarkhadi.	Dongri.	Total.	Market.	Dhobi Talao.	Fanaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Total.	Khetwadi.	Girgaum.	Chaupati.	Walkeshwar.	Mahalakshmi.	Total.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Total.	Parel.	Sewri.	Sion.	Total.	Mahim.	Worli.	Total.			
Days 1 to 30	8	31	1	60	15	115	137	88	184	168	577	84	101	53	93	94	120	545	83	78	6	28	41	236	129	89	79	131	88	281	29	826	128	25	79	232	109	129	238	..	2769	Days 1 to 30
Months 1 to 6	3	37	..	59	11	110	178	106	162	105	551	86	84	55	113	108	124	570	70	48	3	16	29	166	119	57	71	105	77	177	39	645	98	22	59	179	84	100	184	..	2405	Months 1 to 6
„ 7 to 12	2	26	2	84	14	128	148	100	227	137	612	93	92	39	87	77	137	525	90	78	2	8	30	208	108	50	98	118	111	199	36	720	111	31	60	202	74	125	199	..	2594	„ 7 to 12
Years 1 to 2	1	24	2	68	4	99	102	74	158	92	426	92	80	36	90	56	90	444	65	73	9	9	28	184	83	32	59	97	79	180	38	568	77	21	44	142	78	82	160	1	2024	Years 1 to 2
„ 2 to 3	1	2	2	19	4	38	49	25	65	52	191	34	37	21	37	36	42	207	30	28	5	6	9	78	40	27	25	49	31	91	5	268	35	7	24	66	33	53	86	..	934	„ 2 to 3
„ 3 to 4	1	6	..	18	1	26	21	22	54	29	126	18	11	13	14	10	32	98	27	16	..	3	8	54	23	18	28	41	27	60	12	204	22	9	15	46	23	26	49	..	603	„ 3 to 4
„ 4 to 5	..	6	..	13	4	23	27	18	39	32	116	21	26	14	26	13	25	125	31	18	4	4	15	72	24	11	16	37	33	60	10	191	35	6	22	63	17	32	49	..	639	„ 4 to 5
„ 5 to 9	2	26	..	64	15	107	99	64	167	138	468	91	62	53	69	63	115	453	57	63	3	11	45	179	99	57	64	143	80	213	45	701	105	24	74	203	88	105	193	..	2304	„ 5 to 9
„ 10 to 14	5	58	3	89	21	176	215	120	279	209	823	169	117	80	169	126	167	828	133	122	10	24	67	356	171	79	107	214	136	336	75	1118	173	30	97	300	133	176	309	2	3912	„ 10 to 14
„ 15 to 19	3	45	1	111	21	181	258	122	260	150	790	192	122	97	174	149	179	913	128	145	7	19	75	374	139	88	91	166	108	316	79	987	172	32	87	291	118	171	289	..	3825	„ 15 to 19
„ 20 to 24	8	73	2	172	47	302	307	166	358	214	1045	340	160	134	267	189	277	1367	213	184	10	27	96	530	196	116	134	251	168	420	101	1386	254	40	122	416	170	204	374	8	5428	„ 20 to 24
„ 25 to 29	14	104	5	191	71	385	327	134	426	374	1261	297	221	173	260	186	376	1513	260	223	28	26	109	644	212	155	152	314	237	526	121	1717	265	48	123	436	178	303	481	12	6449	„ 25 to 29
„ 30 to 34	13	114	2	192	47	368	321	139	404	365	1229	267	181	148	263	223	380	1462	282	194	23	33	108	640	248	159	173	339	222	519	101	1761	239	50	140	429	145	252	397	14	6300	„ 30 to 34
„ 35 to 39	7	70	3	145	40	265	190	103	223	178	694	156	147	92	146	125	190	856	128	131	17	15	49	340	145	122	88	185	95	307	74	1016	168	43	81	292	99	154	253	6	3722	„ 35 to 39
„ 40 to 44	6	70	2	125	44	247	202	111	280	172	765	159	137	79	185	141	216	917	144	119	18	22	64	367	120	87	112	230	113	338	53	1053	140	12	111	263	128	170	298	6	3916	„ 40 to 44
„ 45 to 49	2	31	..	61	10	104	118	59	90	58	325	77	74	35	86	53	84	409	58	96	5	11	19	189	56	42	49	50	34	85	21	337	58	14	32	104	69	80	149	4	1621	„ 45 to 49
„ 50 to 54	4	45	..	115	24	188	137	79	215	119	550	130	97	64	139	75	128	633	81	69	13	12	34	209	93	49	102	138	90	188	37	697	93	25	58	176	87	96	183	4	2040	„ 50 to 54
„ 55 to 59	3	28	2	49	2	84	68	47	49	32	196	56	46	31	64	23	29	249	28	38	3	8	13	90	34	20	24	27	25	48	9	182	16	2	21	39	31	20	51	1	892	„ 55 to 59
Over 60 Years	11	75	1	194	29	310	329	245	591	242	1407	270	271	142	353	274	277	1587	180	199	30	52	109	570	276	97	263	337	159	507	92	1731	249	53	150	452	240	214	454	7	6518	Over 60 years.
All Ages	94	881	28	1829	424	3256	3233	1822	4231	2866	12152	2632	2066	1359	2635	2021	2988	13701	2088	1922	194	334	943	5486	2315	1350	1735	2972	1913	4846	977	16108	2438	494	1391	4338	90	491	4391		59491	All Ages.

XXIV.

DEATHS at different LOCALITIES in different MONTHS, arranged in Quarters, for the year beginning 1st January 1901.

PERSONS.	A						B					C							D						E								F				G			Harbour and Docks, Railways and Homeless.	BOMBAY.			PERSONS.
	Upper Colaba.	Middle and Lower Colaba.	Fort, Southern.	Fort, Northern.	Esplanade.	Total.	Mandvi.	Chukla.	Umarkhadi.	Dongri.	Total.	Market.	Dhobi Talao.	Panaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Total.	Khetwadi.	Girgaum.	Chaupati.	Walkeshwar.	Mahalakshmi.	Total.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Total.	Parel.	Sewri.	Sion.	Total.	Mahim.	Worli.	Total.					
	1	2	3	4	5	Total.	1	2	3	4	Total.	1	2	3	4	5	6	Total.	1	2	3	4	5	Total.	1	2	3	4	5	6	7	Total.	1	2	3	Total.	1	2	Total.					
January	8	73	3	239	51	374	230	211	505	240	1186	331	261	169	312	239	282	1594	215	198	24	33	85	555	180	127	170	335	185	220	91	1408	168	35	94	297	149	154	303	10	5727	126	5601	January.
February	5	103	2	287	82	484	367	270	627	423	1687	567	393	256	423	281	439	2364	375	377	31	38	150	971	285	205	263	574	318	520	194	2359	287	64	105	456	211	248	459	4	8784	158	8626	February.
March	9	94	2	261	41	407	505	236	528	438	1707	422	279	267	480	314	485	2247	443	436	24	57	229	1189	392	194	260	418	308	1022	265	2859	520	112	179	811	305	489	794	9	10023	182	9841	March
Quarter 1st ..	22	275	7	787	174	1265	1102	717	1660	1101	4580	1320	933	692	1220	834	1206	6205	1033	1011	79	128	464	2715	857	526	693	1327	811	1862	550	6626	975	211	378	1564	665	891	1556	23	24534	466	24068	Quarter 1st.
April	14	122	1	139	62	338	314	150	399	342	1205	207	187	114	246	201	345	1300	216	157	17	59	140	689	337	174	152	251	197	728	123	1962	365	86	151	632	340	369	709	6	6741	168	6573	April.
May	8	103	2	130	31	274	326	162	394	327	1209	205	143	91	146	171	315	1071	181	112	11	31	55	390	213	122	135	246	182	419	98	1415	191	27	153	371	190	212	402	9	5141	181	4960	May.
June	8	67	3	95	30	203	150	88	250	187	673	128	141	73	125	102	160	729	86	87	15	10	44	241	101	67	96	170	117	256	51	858	113	23	103	239	96	144	240	3	3186	191	2995	June.
Quarter 2nd.	30	292	6	364	123	815	790	398	1043	856	3087	540	471	278	517	474	820	3100	482	356	43	100	239	1220	651	363	383	667	496	1403	272	4235	669	126	437	1242	626	725	1351	18	15068	540	14528	Quarter 2nd.
July	2	40	2	105	18	167	183	110	232	160	715	105	116	80	143	115	136	695	96	93	13	13	33	248	127	65	102	128	78	309	25	834	139	20	142	292	153	137	290	4	3215	185	3060	July.
August	9	53	3	137	22	224	267	165	300	197	929	133	109	64	157	137	195	795	123	90	9	27	51	300	136	55	126	213	116	326	38	1010	146	47	169	362	161	146	307	3	3930	213	3717	August.
September	6	66	2	134	31	239	317	167	296	213	993	156	108	58	143	135	175	775	110	114	16	22	43	305	161	88	158	214	144	308	40	1113	172	32	93	297	134	143	277	2	4001	206	3795	September.
Quarter 3rd ..	17	159	7	376	71	630	767	442	858	570	2637	394	333	202	443	387	506	2265	329	297	38	62	127	853	424	208	386	555	338	943	103	2957	448	99	404	951	448	426	874	9	11176	604	10572	Quarter 3rd.
October	12	73	3	126	19	233	243	120	285	191	839	133	131	72	161	117	171	785	91	103	18	23	45	280	146	103	142	171	122	290	27	1001	142	24	80	246	103	155	258	6	3648	206	3442	October.
November.....	6	62	7	129	21	225	208	106	256	151	721	168	133	70	171	135	172	844	103	116	8	18	48	293	147	102	115	189	92	261	30	943	148	19	67	234	55	200	255	4	3519	163	3356	November.
December	13	54	..	120	25	212	198	111	274	118	701	154	141	70	200	144	185	894	120	116	12	25	61	334	163	136	113	161	125	295	18	1011	141	31	80	252	90	194	284	5	3703	174	3529	December.
Quarter 4th..	31	189	10	375	65	670	649	337	815	460	2261	450	405	212	532	396	528	2523	314	335	38	66	154	907	456	341	370	521	346	846	75	2955	431	74	237	742	246	549	797	15	10870	543	10327	Quarter 4th.
Total.....	100	915	30	1902	433	3380	3308	1894	4376	2987	12565	2704	2142	1384	2712	2091	3060	14093	2158	1999	198	356	984	5695	2388	1431	1832	3076	1991	5054	1000	16773	2523	520	1456	4499	1987	2591	4578	65	61648	2153	5949	Total.
Still-born	6	34	2	73	9	124	75	72	145	121	413	72	76	25	77	70	72	392	70	77	4	22	36	209	73	88	97	98	78	208	23	665	85	26	57	168	83	99	182	..	2153	2153	..	Still-born.
Total, exclusive of Still- born.	94	881	28	1829	424	3256	3233	1822	4231	2866	12152	2632	2066	1359	2635	2021	2988	13701	2088	1922	194	334	948	5486	2315	1350	1735	2972	1913	4846	977	16108	2438	494	1399	4331	1904	2492	4396	65	59495	..	59495	Total, exclusive of Still-born.
	1	2	3	4	5		1	2	3	4		1	2	3	4	5	6		1	2	3	4	5		1	2	3	4	5	6	7		1	2	3		1	2						
	Upper Colaba.	Middle and Lower Colaba.	Fort, Southern.	Fort, Northern.	Esplanade.	Total.	Mandvi.	Chukla.	Umarkhadi.	Dongri.	Total.	Market.	Dhobi Talao.	Panaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Total.	Khetwadi.	Girgaum.	Chaupati.	Walkeshwar	Mahalakshmi.	Total.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Total.	Parel.	Sewri.	Sion.	Total.	Mahim.	Worli.	Total.	Harbour and Docks, Railways and Homeless.	BOMBAY.	Still-born.	Total, exclusive of Still-born.	
	A						B					C							D						E								F				G							

XX

DEATHS in different OCCUPATIONS from different CAUSES in

Occupation or Trade of Family.	General Diseases. A: Small-pox.	Measles.	Fever: Enteric Fever.	Fever: Simple Continued.	Ague.	Remittent Fever.	Cholera.	Plague.	All other Diseases classed under Section A of General Diseases.	B: Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
CLASS I.—PROFESSIONAL.													
1. General Government.													
(a) *Imperial.*													
1 His Excellency the Governor	...	...	...	...	...	...	...	...	...	..	..	...	...
2 Governor's Family	...	...	...	...	...	...	...	...	...	...	...	...	...
3 Government Officials in Civil employ (including Police)	...	...	...	...	1	21	1	37	4	...	..	6	1
(b) *Local and Municipal Government.*													
4 Persons employed under Municipal and Local Bodies (including Police)	...	...	...	1	32	87	5	297	74	...	2	69	16
(c) *Foreign Governments and Native States.*													
5 Consuls	...	...	...	...	...	...	...	...	...	...	...	...	...
6 Native Chiefs, their Staff and Retinue	...	...	...	...	...	...	...	...	...	...	...	1	...
2. Defence.													
(a) *Army.*													
7 Officers, effective (including Non-Combatants)	...	...	..	...	...	...	...	...	...	...	..	...	...
8 Soldiers	...	...	1	...	1	1	...	2	1	..	1	3	2
9 Army Pensioners, &c.	...	...	...	...	...	2	...	...	...	...	..	...	1
(b) *Navy.*													
10 Naval Officers	...	...	...	...	...	...	...	...	...	...	..	...	...
11 Seamen (Government)	...	...	...	...	...	1	...	...	...	...	..	...	...
12 Naval Pensioners, &c.	...	...	...	...	...	...	...	...	...	...	..	...	...
3. Learned Professions, &c.													
(a) *Ecclesiastical.*													
13 Ministers of Religion, Priests and persons officiating in Churches, Temples, and Mosques, &c.	...	...	...	...	1	13	1	30	1	...	...	19	1
14 Missionaries	...	...	...	...	...	...	...	1	...	...	...	...	...
15 Devotees, Bhikshuks, Fakirs, &c.	...	...	...	...	...	10	2	74	..	...	...	25	1
16 Servants and Officers of Religious Institutions	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) *Law.*													
17 Barristers and Advocates	...	...	...	...	...	1	...	...	...	...	..	...	...
18 Solicitors and Attorneys	...	...	...	...	...	...	...	...	...	...	..	...	...
19 Pleaders and Vakils	...	...	...	...	...	...	...	1	...	...	..	...	...
20 Law Agents, Interpreters, Mukhtiars, Petition Writers, &c.	...	...	...	...	...	...	...	...	...	...	..	...	...
(c) *Medical.*													
21 Physicians and Surgeons (*Licensed*)	...	...	1	..	...	1	...	4	...	...	..	...	...
22 Medical Assistants, &c.	...	...	...	...	...	3	...	5	...	...	..	...	1
23 Vaids, Hakims and Unlicensed Practitioners	...	...	...	...	...	1	...	7	...	...	..	4	...
24 Dentists	...	...	...	...	...	...	...	...	...	...	..	...	...
25 Chemists and Druggists	...	...	...	...	...	...	...	...	...	...	..	...	...
26 Midwives and Nurses	...	...	...	...	...	1	...	6	...	...	..	1	...
(d) *Literature, &c.*												4	2
27 Editors, Authors	...	...	...	...	...	...	...	1	...	...	..	...	...
28 Reporters	...	...	...	...	...	...	...	...	...	...	..	...	...
29 Officers of Literary Institutions	...	...	...	...	...	...	...	...	...	...	..	...	...
(e) *Artists, &c.*													
30 Painters (*Artists*)	...	...	...	...	...	1	...	1	1	...	...	...	...
31 Sculptors	...	...	...	...	1	1	...	1	...	...	..	...	...
32 Photographers	...	...	...	...	...	...	...	1	...	...	..	...	...
33 Drawing Masters	...	...	...	...	...	...	...	...	...	...	..	...	...
(f) *Musicians.*													
34 Music Masters and Players	...	...	...	...	1	2	...	10	...	...	...	8	1

V.

the City of BOMBAY for the year beginning 1st January 1901.

Local Diseases.												Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.				Unspecified Causes.	Total.
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion and Cellular Tissue.	Cutaneous System.	Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.		
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.														
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	...	3	...	8	1	1	4	1	...	1	...	...	...	2	1	...	1	1	...	...	96
6	...	7	...	53	24	22	5	1	5	2	1	...	...	9	3	4	...	2	...	...	727
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
2	...	2	...	6	1	2	5	...	...	...	...	...	...	...	...	...	...	1	...	...	31
2	...	1	...	2	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	10
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	1	...	9	2	4	3	2	...	...	...	...	...	1	...	1	...	...	...	...	93
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
...	...	...	...	20	4	2	1	1	1	1	...	...	...	3	1	1	...	...	...	...	147
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	8
1	...	...	...	4	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	13
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
...	...	...	...	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23

	Occupation or Trade of Family.	General Diseases. A: Small-pox.	Measles.	Fevers: Enteric Fever.	Fevers: Simple Continued.	Fevers: Ague.	Fevers: Remittent Fever.	Cholera.	Plague.	All other Diseases classed under Section A of General Diseases.	B: Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
	CLASS I.—PROFESSIONAL—*contd.*													
	3. Learned Professions, &c.—*contd.*													
	(g) *Actors, &c.*													
35	Actors, Actresses	...	...	...	...	...	2	...	1	...	...	...	...	...
36	Theatre Service	...	...	...	...	...	...	...	1	1	...	...	...	...
37	Dancers, Naykins, &c.	...	...	...	...	...	...	...	1	...	...	...	5	2
38	Jugglers, Snake Charmers, &c.	...	...	...	...	...	1	...	1	...	...	...	...	...
39	Billiard Room Keepers, &c.	...	...	1	...	...	...	...	...	...	...	...	...	...
40	Cricket Club, Gymkhana Service	...	...	...	...	...	...	...	...	...	...	...	...	...
	(h) *Teachers, &c.*													
41	School Masters, Mistresses	...	...	1	...	...	2	...	12	1	...	...	1	1
42	Professors, Teachers, &c.	...	...	...	...	...	...	...	7	...	...	...	3	1
43	Service of Educational Institutions	...	...	...	...	...	...	...	...	...	...	...	...	...
	(i) *Science.*													
44	Civil Engineers	...	...	...	...	...	...	...	1	...	...	...	...	...
45	Museum, &c., Service	...	...	...	...	...	...	...	...	...	...	...	...	...
	CLASS II.—DOMESTIC.													
	4. Omitted.													
	5. Entertainers, &c.													
	(a) *Board and Lodging.*													
46	Hotel and Inn Keepers	...	...	...	...	...	...	...	1	...	...	...	3	...
47	Lodging-house Keepers	...	...	...	...	...	...	...	...	...	...	...	...	...
48	Refreshment Houses	...	...	...	...	...	...	...	...	...	...	...	...	...
49	Institution Service, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...
50	Service of Clubs	...	...	...	...	...	...	...	...	...	...	...	...	...
51	Mess Contractors, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...
	(b) *Domestic.*													
52	In-door Servants	5	...	5	...	5	67	6	206	20	1	3	62	14
53	Service in Stables, &c.	...	...	...	...	...	...	...	1	...	...	...	...	...
54	Dhobis (Washermen)	...	...	...	...	...	26	...	118	10	...	1	41	4
55	Bhistis (Water-carriers)	...	...	...	...	...	3	...	9	...	...	...	4	...
56	Sweepers (of houses, &c.)	...	...	...	...	...	...	...	1	2	...	...	...	...
57	Hotel Service	...	...	...	...	...	1	...	1	...	...	...	1	...
58	Keepers of Cook-houses	...	...	...	...	...	1	...	...	...	...	...	...	...
59	Servants not otherwise described	3	...	...	2	5	220	2	864	25	...	3	192	25
	CLASS III.—COMMERCIAL.													
	6. Mercantile.													
	(a) *Merchants, &c.*													
60	General Merchants	1	...	1	...	1	56	1	141	2	...	2	50	9
61	Merchants in Cotton	...	...	...	...	...	...	...	1	...	...	...	...	...
62	Merchants in other Special Goods	...	...	...	...	...	2	...	6	...	...	...	5	...
63	Bankers	...	...	...	...	...	7	1	55	...	...	...	6	...
64	Money-lenders	...	...	...	1	...	7	...	30	...	...	...	4	1
65	Service in Banks	...	...	1	...	...	...	...	...	...	...	...	...	...
66	Insurance Office Service	...	...	...	...	...	...	...	1	...	...	...	...	...
67	Commercial Agents, Brokers, &c.	...	...	1	...	1	20	...	70	...	...	...	2	4
68	Salesmen, Bill Collectors, &c.	...	...	...	...	...	1	...	5	1	...	...	...	...
69	Auctioneers, House Agents	...	...	...	...	...	...	...	...	...	...	...	...	...
70	Accountants, Auditors	...	...	...	...	...	...	...	...	...	...	...	...	1
71	Commercial Clerks, &c.	...	...	2	2	4	51	1	154	2	...	1	45	15
72	Notaries Public	...	...	...	...	...	...	...	...	...	...	...	...	...
73	Capitalists, Shareholders	...	...	...	...	...	...	...	1	1	...	...	...	...
74	Emigration Agents	...	...	...	...	...	...	...	...	...	...	...	...	...
75	Pawnbrokers	...	...	...	...	...	...	...	...	...	...	...	...	...
	(b) *Other General Dealers.*													
76	General Dealers and Shopkeepers (*unspecified*)	...	...	...	...	...	...	...	12	...	...	...	3	2
77	Itinerant Retailers	...	...	...	...	3	51	1	215	10	...	...	64	6
78	Pedlars (*Boxwallahs—Borahs*)	...	...	...	...	...	3	...	2	...	...	...	1	2

—*continued.*

Local Diseases.												Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.	Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.														
1								1													5
		1		1	1		1														2
							1									1					15
																					4
																					1
2		2		4	1		1														28
1				6		1												1			20
		1		3			1														6
				1																	3
									1												1
17		7		59	11	11	20	4	3					4	3	1	2	4	1	1	542
																					1
3		1		26	7	6	6	2	1	1				2	2		1				260
1				1	1	1		1										2			23
1																					4
																					3
																					1
20	1	19		139	38	44	28	9	1	3				6	2		3	1	2	1	1,058
8		5		49	9	9	11	5		1	1			2							364
				1																	2
		1					1														15
1		1		5	1		1														78
1				3	1		2									1		1			52
																					1
				1																	2
2		1		25	6	4	5	3		1							2		2		171
				1																	8
2											1										4
14		11		32	8	6	19	6						1		2		4	4	1	385
				1			1														4
				2																	19
6		2		73	14	12	13	2		1							1	2		1	477
				1			2														11

Occupation or Trade of Family.	General Diseases.												
	A									B			
	Small-pox.	Measles.	Fevers. Enteric Fever.	Fevers. Simple Continued.	Ague.	Remittent Fever.	Cholera.	Plague.	All other Diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
CLASS III.—COMMERCIAL—*contd.*													
7. Carriers.													
(a) *On Railways.*													
79 Drivers, Stokers (*A'gwallahs*)	...	...	1	...	2	8	1	20	4	...	1	10	4
80 Station Masters, Clerks, Ticket Collectors	...	...	...	...	1	...	...	2	...	...	...	2	...
81 Guards, Signalmen, Porters, Police	1	...	1	...	1	6	1	18	3	...	...	2	2
82 Agents, Managers, Office Service	...	...	...	...	...	...	...	2	...	...	...	...	...
(b) *On Roads.*													
83 Carriage and Horse Letters, Livery Stable Keepers, &c.	...	...	...	...	...	...	...	3	...	...	1	2	...
84 Drivers of Public Vehicles (*Buggywallahs, Shigramwallahs, &c.*)	1	...	...	...	1	29	2	113	8	...	...	31	4
(c) *Omitted.*													
85 Cart Owners and Drivers (*Gádawallahs*)	...	...	...	...	2	106	...	213	20	...	1	43	9
86 Carriers on Pack Animals (*Wanjáras, &c.*)	...	...	...	...	...	...	...	...	...	...	...	...	...
(d) *On Seas, &c.*													
87 Ship or Boat Owners	...	...	...	...	...	...	...	...	...	...	...	...	...
88 Steam Navigation Service	...	...	...	...	...	...	...	3	...	...	...	...	...
89 Seamen (not Government)	2	...	...	...	2	17	3	37	2	...	...	44	4
90 Pilots	...	...	...	...	...	...	...	...	...	...	...	...	...
91 Boatmen	...	...	...	...	...	2	1	2	2	...	...	2	...
92 Dock and Harbour Officials	...	...	...	...	...	...	...	2	...	...	...	...	1
93 Dock Labourers	...	...	...	...	...	...	...	3	2	...	...	2	3
94 Shipping Surveyors and Agents	...	...	...	...	...	...	...	...	...	...	...	...	...
95 Dubashes	...	...	...	...	...	...	...	...	...	...	...	...	...
(e) *Storage, &c.*													
96 Warehousemen and Storekeepers	...	...	...	...	...	2	...	...	1	...	...	1	...
97 Keepers of Cotton, &c., Presses	...	...	...	...	...	...	...	...	...	...	...	...	...
98 Packers, Weighmen, &c.	...	...	...	...	...	...	...	2	...	...	...	...	...
(f) *Telegraph (Ry.) and Messages.*													
99 Railway and other Telegraph Service (not Government)	...	...	...	...	...	...	...	2	...	...	...	...	...
100 Messengers, Porters, &c. (not Government)	...	...	...	...	2	23	3	74	1	...	...	21	6
CLASS IV.—AGRICULTURE, PASTURE AND DEALINGS WITH ANIMALS, &c.													
8. Agriculture and Pasture, &c.													
(a) *Cultivation and Grazing.*													
101 Occupants and Tenants of Land and Cultivators	...	...	1	...	2	10	3	65	1	...	...	15	3
102 Occupants and Tenants of Lands but not Cultivators	...	...	...	...	...	...	...	1	...	...	...	...	...
103 Farm Day Servants	...	...	...	...	...	...	...	...	...	...	...	...	...
104 Field Labourers	...	...	...	...	...	...	...	...	...	...	...	...	...
105 Cattle and Sheep Watchers	...	...	...	...	...	...	...	...	...	...	...	2	...
(b) *Gardening, &c.*													
106 Gardeners (*Mali* and *Kachia*)	1	...	...	...	4	10	1	59	4	...	...	11	1
107 Growers and Sellers of Flowers and Garlands	...	...	...	...	...	1	...	4	...	...	...	3	...
9. Animals.													
108 Horse Dealers, &c.	...	...	...	...	...	1	...	1	...	...	...	...	...
109 Jockey Grooms (not domestic service)	...	...	...	...	...	24	3	98	11	...	...	16	1
110 Veterinary Surgeons, Farriers	...	...	...	...	...	4	...	7	...	...	...	2	2
111 Horse-shoers (*Nalband*)	...	...	...	...	...	...	...	3	...	...	...	...	...
112 Cattle and Sheep Breeders (*Dhangar, &c., Wanjari*)	...	...	...	...	...	...	...	1	...	...	...	...	...
Fishers.													
113 Fishermen, &c.	...	...	...	...	...	11	2	70	...	...	...	11	3
114 Shikaries and Bird Catchers and Sellers	...	...	...	...	...	...	...	1	...	...	...	...	...
115 Leech Dealers	...	...	...	...	...	...	...	...	...	...	...	1	...

—*continued.*

Local Diseases.														Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.	Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.														
2	...	2	...	8	2	3	3	1	1	...	...	...	...	...	2	...	...	2	...	...	77
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
1	...	1	...	5	1	1	3	1	...	...	...	...	...	1	1	...	1	3	...	...	54
...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	3
...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	8
2	...	3	...	16	3	6	4	...	...	...	...	...	...	2	...	...	1	1	...	...	227
3	...	...	...	46	9	14	9	1	...	1	1	...	...	3	1	1	3	8	...	1	495
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
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3	...	3	...	28	3	4	5	...	...	...	...	...	...	1	1	...	2	4	...	1	164
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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...	...	1	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
...	...	1	...	3	1	2	2	...	...	...	...	...	...	1	...	...	...	2	...	...	22
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
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2	...	3	...	23	6	4	3	1	...	...	...	...	...	1	1	...	...	...	1	...	175
3	...	2	...	17	4	2	2	...	...	...	...	...	...	...	...	...	1	...	...	1	132
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...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
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30	...	1	...	13	3	3	5	2	...	...	...	...	...	...	1	1	2	1	...	...	188
1	...	...	...	3	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
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1	...	1	...	9	4	1	5	1	1	...	...	...	...	...	1	...	...	...	1	...	122
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Occupation or Trade of Family.	General Diseases.													
	A									B				
	Small-pox.	Measles.	Fevers. Enteric Fever.	Fevers. Simple Continued.	Ague.	Remittent Fever.	Cholera.	Plague.	All other Diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.	
CLASS V.—INDUSTRIAL.														
10. Art and Mechanical Productions.														
(a) *Books.*														
116 Booksellers, Publishers	...	...	...	...	...	...	...	1	...	...	...	1	...	
117 Bookbinders	...	...	...	...	...	2	...	14	...	...	...	5	...	
118 Printers by Steam, Compositors, &c.	1	...	...	...	2	17	...	71	1	...	...	29		7
119 Newspaper Proprietors, &c.	...	...	...	...	...	...	...	1	...	...	...	...	...	
120 Do. Agents	...	...	...	...	...	...	...	...	...	...	...	...	...	
121 Library or Book Depôt Keepers	...	...	...	...	...	...	...	1	...	...	...	...	...	
(b) *Musical Instruments.*														
122 Makers, Tuners, &c., of Musical Instruments	...	...	...	...	...	...	...	...	...	...	...	3		1
123 Music Sellers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	
(c) *Prints, Pictures.*														
124 Lithographers	...	...	...	...	...	...	...	...	...	...	...	...	...	
125 Print Sellers, Publishers	...	...	...	...	...	...	...	...	...	...	...	...	...	
(d) *Carvings, &c.*														
126 Wood Carvers	...	...	...	...	...	...	...	...	...	...	...	...	...	
127 Artificial Flower Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	
128 Figure Casters (*Otarva*)	...	...	...	...	...	1	...	20	...	...	...	5		1
(e) *Toys, &c.*														
129 Toy and Kite Makers or Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	
130 Billiard Table Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	
(f) *Engravings, &c.*														
131 Type Founders	...	...	...	...	...	...	...	1	...	...	...	1	...	
132 Seal Engravers	...	...	...	...	...	...	...	...	...	...	...	...	...	
133 Engravers, &c.	...	...	...	...	...	...	...	...	...	...	...	1	...	
(g) *Watches, &c.*														
134 Watch and Clock Makers	...	...	...	...	...	1	...	1	...	...	...	2	...	
(h) *Omitted.*														
135 Opticians, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	
(i) *Arms, &c.*														
136 Gunsmiths	...	...	...	...	...	...	...	...	...	...	...	...	...	
137 Sword Makers and Polishers (*Shikelgars*)	...	...	...	...	...	5	...	3	...	...	...	1	...	
138 Gunpowder Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	
(k) *Machines and Tools.*														
139 Engine Makers (Fitters, &c.)	...	...	2	...	1	34	...	94	3	...	...	37		6
140 Spinning, Weaving, &c., Machine Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	
141 Tool Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	
142 Cutlers and Grinders	...	...	...	...	...	...	...	...	...	...	...	1	...	
(l) *Carriages, &c.*														
143 Carriage, Cart and Palki Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	
144 Railway Carriage Makers, Fitters, &c.	...	...	...	...	...	...	...	1	1	...	...	...		1
(m) *Harness.*														
145 Saddle and Harness Makers	...	...	...	...	...	...	...	1	...	...	...	...	...	
146 Saddle Cloth, &c., Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	
147 Whip and Stick Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	
(n) *Boats and Ships.*														
148 Boat and Ship Builders	...	...	...	...	...	...	...	...	...	...	...	...	...	
149 Sailmakers	...	...	...	...	...	...	...	...	...	...	...	...	...	
150 Ship-Chandlers	...	...	...	...	...	...	...	...	...	...	...	...	...	
(o) *Houses and Buildings.*														
151 House-owners, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	
152 Architects	...	...	...	...	...	...	...	1	...	...	...	...	...	
153 Surveyors and Draftsmen	...	...	...	...	...	1	...	...	...	...	...	...	...	
154 Builders and Contractors	...	...	...	...	...	...	...	...	...	...	...	1	...	

—*continued.*

Local Diseases.													Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.		Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive system.															
							1															3
				1		1																23
2				12		7	1				1				1		1		1			154
		1					1								1	1						4
																						1
		1		3			1															9
		1		3			1	2										1				35
																						2
																						1
1				1	1		1															8
1				1	2	1																12
12		4		25	4	8	9	6	1								1	2	1			245
							1															2
				1				1														2
							1															4
																						1
																						1
																						2

Occupation or Trade of Family.	General Diseases.													
	A									B				
	Small-pox.	Measles.	Fevers. Enteric Fever.	Fevers. Simple Continued.	Ague.	Remittent Fever.	Cholera.	Plague.	All other diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.	
CLASS V.—INDUSTRIAL—*contd.*														
10. Art and Mechanical Productions—*contd.*														
(o) *Houses and Buildings*—(contd.)														
155 Carpenters, Joiners, Sawyers	1	...	1	...	1	90	1	247	9	...	1	81	12	
156 Masons and Bricklayers	...	...	...	...	1	21	2	58	1	...	...	27	1	
157 Tile Turners	...	...	...	...	...	3	...	7	...	...	...	5	...	
158 Plumbers	...	...	...	...	...	...	...	5	...	...	...	1	...	
159 House and Wall Painters	...	...	...	...	...	1	...	27	4	...	...	7	1	
160 Marble Cutters and Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	
(p) *Furniture, &c.*														
161 Furniture Makers and Dealers and Upholsterers	...	...	...	...	...	1	...	3	...	...	...	...	...	
162 Carvers and Gilders	...	...	...	...	...	...	...	4	...	...	...	1	1	
163 Undertakers and Carriers of Dead Bodies	...	...	...	...	...	...	...	...	...	...	...	...	...	
164 Curiosity Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	
(q) *Chemicals and Combustibles.*														
165 Fireworks Makers, &c	...	...	...	...	...	...	...	...	...	...	...	1	...	
166 Matches Makers, &c	...	...	...	...	...	...	...	...	...	...	...	...	...	
167 Saltpetre Makers, &c	...	...	...	...	...	...	...	...	...	...	...	...	...	
168 Ink, &c., Makers	...	...	...	...	...	...	...	1	...	...	...	1	...	
11. Textile Fabrics.														
(a) *Wool.*														
169 Blankets and Woollen Makers and Cleaners by Steam	...	...	...	...	...	...	...	...	...	...	...	...	...	
170 Blankets and Woollen Makers and Wool Cleaners by Hand	...	...	...	...	...	...	...	...	...	...	...	...	...	
171 Felt (*Namda*) Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	
172 Fullers	...	...	...	...	...	...	...	...	...	...	...	...	...	
173 Carpet and Rug Makers and Dealers	...	...	...	...	...	1	...	...	...	...	...	...	...	
(b) *Silk.*														
174 Silk Workers by Hand	...	...	...	...	...	1	1	4	...	...	...	2	...	
175 Ditto by Steam	...	...	...	...	...	...	...	...	...	...	...	...	...	
176 Silk Dyers	...	...	...	...	...	...	...	...	...	...	...	...	...	
177 Silk Makers	...	...	...	...	...	...	...	1	...	...	...	...	...	
(c) *Cotton and Flax.*														
178 Cotton Dyers	...	...	...	...	...	16	...	55	2	...	1	22	1	
179 Lace Makers, &c	...	...	...	...	...	...	...	...	...	...	...	...	...	
180 Tape Makers, &c. (*Raval*)	...	...	...	...	...	...	...	...	...	...	...	...	...	
181 Cotton Spinners, Cleaners and Weavers by Steam	...	...	...	...	2	53	...	80	3	...	...	63	4	
182 Cotton Spinners, Cleaners and Weavers by Hand	...	...	...	...	...	5	...	6	...	...	...	10	1	
183 Mill Managers, Clerks, &c	...	...	...	...	1	1	...	1	...	...	...	...	...	
184 Calico Printers	...	...	...	...	...	...	...	...	...	...	...	...	...	
185 Calenderers	...	...	...	...	...	...	...	...	...	...	...	...	...	
(d) *Miscellaneous Workers.*														
186 Spinners and Weavers and Factory Workers (unspecified)	...	...	...	...	1	10	...	19	...	...	...	20	2	
187 Embroiderers and Brocade, &c., Makers	1	...	1	...	...	1	...	17	...	...	...	8	1	
188 Cotton Goods Sellers, Drapers	...	...	...	...	...	9	...	23	...	...	...	11	1	
(e) *Dress.*														
189 Barbers, Hair Dressers, &c	...	...	...	...	4	43	...	128	8	1	1	21	5	
190 Turban, Cap and Hat Makers	...	...	...	...	...	2	...	...	...	...	...	...	...	
191 Turban Folders	...	...	...	...	...	...	...	2	...	...	...	...	...	
192 Caste-Mark Makers	...	...	...	...	...	...	...	...	...	...	...	1	...	
193 Tailors	...	...	1	...	...	34	1	141	1	1	1	60	9	
194 Milliners and Dress Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	
195 Glove and Stocking Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	
196 Shoe and Boot Makers	1	1	...	4	12	35	1	127	24	...	...	58	6	
197 Button Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	
198 Umbrella Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	
199 Shawl Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	
200 Punkha and Fan Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	

—*continued.*

Local Diseases.													Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear, and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.		Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.															
10	...	3	...	59	18	7	13	2	1	1	1	...	...	...	6	4	1	2	1	...	...	573
5	...	1	...	17	3	6	4	...	...	...	...	...	...	...	...	1	...	1	2	...	...	151
1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	19
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
2	...	1	...	13	3	2	1	...	...	2	...	...	...	...	...	...	...	...	2	...	...	66
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4	...	1	...	22	6	4	...	1	...	4	...	...	...	...	4	2	...	...	...	...	...	253
...	...	1	...	4	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	30
1	...	3	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
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...	...	1	...	7	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	39
3	...	4	...	6	4	2	3	...	...	1	...	...	...	...	...	...	1	...	...	1	...	69
...	...	2	...	14	11	9	2	3	...	...	...	...	...	...	1	1	1	...	...	...	...	255
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4	1	2	...	35	7	13	5	...	1	2	...	...	...	...	2	1	...	...	1	1	...	324
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...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
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...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Occupation or Trade of Family.	General Diseases. A: Small-pox.	Measles.	Fever: Enteric Fever.	Fever: Simple Continued.	Fever: Ague.	Fever: Remittent Fever.	Cholera.	Plague.	All other Diseases classed under Section A of General Diseases.	B: Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
CLASS V.—INDUSTRIAL—*contd.*													
11. Textile Fabrics—*contd.*													
(f) *Jute, Tents, Ropes, &c.*													
201 Workers and Sellers of Jute	...	...	...	...	...	...	...	1	...	...	...	...	...
202 Rope and Cord Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	1	...
203 Tent Makers and Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...
204 Coir Makers and Dealers	...	...	...	...	...	...	...	2	...	...	...	...	...
12. Foods, Drinks and Stimulants.													
(a) *Animal Food.*													
205 Cow Keepers, Milk Sellers	...	...	...	...	...	19	2	39	5	1	1	28	5
206 Sellers of Ghee, Butter, Cheese	...	...	...	...	...	1	...	3	...	...	...	...	...
207 Butchers, Slaughtermen and Meat Sellers	...	...	...	...	1	3	...	20	2	...	1	19	2
208 Fowl Sellers (Poulterers)	...	...	...	...	...	...	...	2	...	...	...	2	...
209 Fish Salesmen	...	...	...	...	...	2	...	30	2	...	...	8	2
210 Provision Dealers, Bazaar Suppliers	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) *Vegetable Food.*													
211 Grain, Pulse and Flour Dealers	...	...	...	...	...	25	...	114	2	1	...	19	1
212 Millers (*Gola*), (Grinders' and Huskers of Grain)	...	...	...	...	...	...	...	...	...	...	...	1	...
213 Grain Parchers (*Bhadbhunjas*)	...	...	...	...	...	1	...	2	...	...	...	...	...
214 Bakers	1	...	1	...	...	...	...	6	...	...	...	3	...
215 Sweetmeat Makers & Sellers and Pastry Cooks	...	...	...	...	...	1	...	12	...	...	...	6	...
216 Fruit and Vegetable Dealers	...	...	...	...	1	11	1	32	2	...	...	23	1
(c) *Drinks and Stimulants.*													
217 Brewers	...	...	...	...	...	...	...	...	...	...	...	...	...
218 Wine and Spirit Dealers	...	...	...	...	...	3	...	6	1	...	...	4	2
219 Distillers and Toddy Drawers	...	...	...	...	1	3	...	15	...	...	...	2	...
220 Soda Water, &c., Makers and Dealers	...	...	...	...	...	...	...	2	...	...	...	...	...
221 Sugar and (*Gol*) Makers and Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...
222 Grocers, Spice Dealers	...	...	...	...	...	10	...	14	...	...	...	6	...
223 Tea Dealers and Tasters	...	...	...	...	1	2	...	7	...	...	...	2	1
224 Tobacco and Snuff Manufacturers and Sellers	...	...	...	...	...	9	...	50	2	...	...	19	1
225 Opium, Chundool Sellers, &c.	...	...	...	...	...	...	...	1	...	...	...	...	...
226 Bhang, Ganja Sellers	...	...	...	...	...	...	...	2	...	...	...	...	...
227 Pan and Betel Sellers	...	...	...	...	...	2	...	8	1	...	...	9	...
228 Perfume Makers and Dealers	...	...	...	...	...	...	...	3	...	...	...	3	...
229 Makers and Sellers of Sherbut	...	...	...	...	...	...	...	...	...	...	...	...	...
230 Ditto Vinegar	...	...	...	...	...	...	...	...	...	...	...	...	...
13. Animal Substances.													
231 Soap Makers and Sellers	...	...	...	...	...	...	...	1	...	...	...	...	...
232 Comb Makers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...
233 Bone and Horn Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...
234 Ivory Carvers and Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...
Leather.													
235 Hide and Skin Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...
236 Tanners and Curriers	...	...	...	...	...	...	...	...	...	...	...	...	...
237 Leather Workers and Sellers (not Shoemakers)	...	...	...	...	1	1	...	15	...	...	...	5	...
14. Vegetable Substances.													
(a) *Gums, Oils, &c.*													
238 Oil Pressers, Oil Cake Makers and Sellers	...	...	...	...	...	1	...	10	1	...	...	10	...
239 Lac Makers	...	...	...	...	...	...	...	...	...	...	...	...	...

—*continued.*

Local Diseases.													Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.		Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.															
				1																		2
																		1				1
																						2
2				18	1	7	1								1				1			181
				1		1	1															7
2				6		3	1									1						61
																						4
1				3		1	2		1													52
		2		17	1	4	2								1		2		2			193
						1																2
																						3
1				2			1	1							1							16
1		1		2			1												4			28
2		1		8	2	1	3		2						1	1	2		1	1		96
						1	1															18
1				2		1				1									1			27
																	1					3
1				3												1	1		1			37
1		1		6	1																	22
1				4	1	2	1		1						1					1		93
																						91
																						2
1						2																23
																						6
																						1
				1		1																2
1				3		1		1														28
3				1		2																28

	Occupation or Trade of Family.	General Diseases.												
		A									B			
		Small-pox.	Measles.	Fever.				Cholera.	Plague.	All other Diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
				Enteric Fever.	Simple Continued.	Ague.	Remittent Fever.							
	CLASS V.—INDUSTRIAL—*contd.*													
	14. Vegetable Substances—*contd.*													
	(b) *Wood, &c.*													
240	Wood and Timber Dealers	...	...	...	...	...	1	...	6	...	...	...	9	...
241	Wood Turners (*Kantaras*)	...	...	...	...	...	...	...	...	...	...	...	...	...
242	Lacquer Workers	...	...	...	...	...	...	...	...	...	...	...	...	...
243	Bamboo Dealers	...	...	...	...	...	...	...	1	...	...	...	...	...
244	Firewood Sellers	...	1	...	...	...	2	...	4	...	...	...	4	...
245	Coopers	...	...	...	...	...	1	...	2	...	...	...	...	...
246	Broom Makers	...	...	...	...	...	2	1	7	2	...	...	2	...
247	Basket and Cane Workers and Sellers	...	...	...	...	...	3	...	29	3	...	...	5	...
248	Grass and Forage Dealers	...	...	...	...	...	1	...	14	...	...	...	4	1
249	Hay Pressers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...
250	Sellers of Grass for Thatch	...	...	...	...	...	...	...	...	...	...	...	...	...
251	Thatchers (*Chapperband*)	...	...	...	...	...	...	...	...	...	...	...	...	...
	(c) *Paper.*													
252	Rag Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...
253	Paper Makers	...	...	...	...	...	...	...	...	...	...	...	...	...
254	Stationers and Dealers in Paper	...	...	...	...	...	...	...	1	...	...	...	...	...
	15. Mineral Substances.													
	(a) *Omitted.*													
255	Coal Merchants, Shippers, &c.	...	...	...	...	...	1	...	4	...	...	...	1	...
256	Gas Works Service	...	...	...	...	...	2	...	2	...	...	...	...	...
	(b) *Coal.*													
257	Charcoal Sellers, &c.	...	...	...	...	...	1	...	1	...	...	...	2	...
258	Cowdung Cake Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...
	(c) *Stone-clay.*													
259	Stone Quarrymen (*Beldars, Valdars, &c.*)	...	...	...	...	1	...	...	2	...	...	...	...	...
260	Stone Cutters (*Patharvats, Salats*)	...	...	...	...	1	14	1	28	2	...	...	8	...
261	Lime Makers and Sellers (*Lunaris, Chunaras, &c.*)	...	...	...	...	...	1	...	...	...	...	...	3	...
262	Brick, &c., Makers	...	...	...	...	...	...	...	1	...	...	...	2	...
263	Railway Earth Workers	...	...	...	...	...	1	...	4	...	...	...	...	...
264	Grindstone Makers and Sellers (*Chaksalis*)	...	...	...	...	...	...	...	...	...	...	...	...	...
	(d) *Earthenware.*													
265	Potters	...	...	...	...	1	2	...	12	2	...	...	3	...
266	Hooka Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...
	(e) *Glass.*													
267	China Glass Dealers	...	...	...	...	...	1	...	...	...	...	...	...	...
268	Glass Makers and Sellers	...	...	...	...	...	2	...	3	...	...	...	1	...
269	Bangle Makers and Sellers	...	...	...	...	...	2	...	7	...	...	...	2	...
270	Bead Makers and Sellers (*Maniaris*)	...	...	...	...	...	1	...	3	...	...	...	1	...
	(f) *Salt.*													
271	Salt Makers (*Mitagrias, &c.*)	...	...	...	...	...	...	...	1	...	...	...	...	...
272	Salt Brokers and Dealers	...	...	...	...	...	...	...	6	...	...	...	1	...
	(g) *Water.*													
273	Water Works Service	...	...	...	...	...	...	...	...	...	...	...	...	...
274	Well Sinkers	...	...	...	...	...	...	...	...	...	...	...	...	...
275	Ice Dealers and Makers	...	...	...	...	...	1	...	1	...	...	...	...	...

—*continued.*

Local Diseases.													Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.		Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.															
					1				1									1				19
1																						2
		1		1			2															14
																						14
				6					2										1	1		52
1				1		1											1					24
				1																		2
					1										1		1					9
																						4
				1																		5
				10	3	1	1								2							3
				2																		71
																						6
																						3
				2		1		1														9
1				5		3	1			1										1		31
																						1
						1																7
1				1		1												1				14
				2																		8
					1		1									1						1
																						10
																						2

Occupation or Trade of Family.	General Diseases.													
	A									B				
	Small-pox.	Measles.	Fever. Enteric Fever.	Fever. Simple Continued.	Fever. Ague.	Fever. Remittent Fever.	Cholera.	Plague.	All other Diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
CLASS V.—INDUSTRIAL—*contd.*														
15. Mineral Substances—*contd.*														
(h) *Gold, Silver and Jewellery.*														
276 Gold and Silversmiths	...	...	...	1	...	19	...	103	1	...	...	41	9	
277 Precious Stone Dealers, &c	...	...	...	...	...	...	...	3	...	..	...	2	2	
278 Lapidaries (Stone Cutters)	...	...	...	...	...	...	...	...	...	...	...	3	...	
279 Electroplaters	...	...	...	...	...	...	...	1	...	...	...	1	...	
280 Plate Dealers, &c	...	...	...	...	...	...	...	...	...	...	..	...	...	
281 Assayers (*Choksis*), Dealers in Gold & Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	
282 Gold and Silver Lace Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	
283 Wire Drawers, &c	..	...	...	...	...	...	...	...	...	...	...	...	...	
284 Gold Washers (*Zarekaris* or *Dhuldhoyas*)	...	...	...	...	...	...	...	...	...	...	...	1	...	
(i) *Copper.*														
285 Coppersmiths	...	...	...	...	...	6	...	22	1	...	...	10	2	
(k) *Tin.*														
286 Tinmen and Tinware Dealers	...	...	...	...	...	7	...	20	...	...	...	12	...	
(l) *Brass.*														
287 Brassmiths and Dealers in Brass	...	...	...	...	...	...	...	...	...	...	...	...	...	
288 Locksmiths (*Kunchgars*)	...	...	...	...	...	1	...	...	...	...	...	...	...	
289 Gas Fitters	...	...	...	...	...	...	...	...	...	...	...	...	...	
290 Lamp and Lantern Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	
(m) *Iron and Steel.*														
291 Blacksmiths	...	...	...	...	1	27	...	64	2	...	...	23	2	
292 Hardware and Iron Mongers	...	..	...	...	...	3	...	1	...	...	...	...	..	
293 Nail Makers, &c	...	...	...	...	...	...	...	1	...	...	...	..	...	
CLASS VI.—OTHERS AND UNSPECIFIED.														
16. Indefinite.														
(a) *General Labourers.*														
294 General Labourers and Coolies	13	1	4	11	86	1188	35	3529	571	1	9	799	100	
295 Mechanics, Artizans (unspecified)	...	...	...	...	...	...	...	...	...	...	...	...	1	
(b) *Indefinite.*														
296 Enginemen, &c. (unspecified)	...	...	...	...	...	...	...	...	...	...	...	...	...	
297 Factory Labourers (unspecified)	3	1	1	6	44	801	28	1791	163	1	6	498	37	
298 Shopmen, &c. (unspecified)	1	...	2	4	4	70	1	224	8	...	...	96	10	
299 Contractors, &c. (unspecified)	...	...	...	...	...	3	...	10	...	...	...	1	...	
300 Millowners, &c. (unspecified)	...	...	...	...	...	1	...	...	...	...	...	...	...	
17. Persons of Independent Means.														
301 Living on Property (funded rents, &c.)	...	...	...	...	1	9	...	7	2	...	1	12	4	
302 Pensioners (unspecified)	..	...	...	...	1	8	...	15	4	1	1	14	5	
18. Others.														
303 Mendicants	1	...	...	...	18	114	5	376	118	6	7	174	39	
304 Prisoners	...	...	...	...	1	...	...	13	6	...	...	1	...	
305 Prostitutes and Pimps	...	...	...	...	1	2	...	17	1	...	...	13	...	
306 Others	1	...	...	...	1	6	...	22	2	...	...	13	1	
307 Males following no occupation	7	...	13	5	25	433	19	982	173	55	6	278	87	
308 Females do. do.	13	3	8	8	56	1282	28	2580	583	21	22	2042	103	
309 Children, Males	54	29	7	37	68	974	18	2186	191	5	20	370	223	
310 Do. Females	47	31	4	31	67	870	12	1815	176	2	18	533	232	
Grand Total	159	67	62	113	480	7266	198	18736	2301	97	112	6516	1170	

—*concluded.*

Local Diseases.													Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.		Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.															
5	...	...	...	21	4	6	3	1	...	...	...		...	...	...	2	...	1	...	...	...	217
1	...	...	...	5	1	...	1	...	...	...	...		...	...	...	...	...	...	...	...	...	15
...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	1	...	...	...	...	3
...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	3
...	...	...	...	1	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...
...	...	...	...	1	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	1
...	...	...	...	6	...	1	4	...	...	...	...		...	...	...	...	...	...	...	1	...	53
...	...	...	...	5	1	1	2	...	...	...	...		...	...	1	...	...	...	1	...	...	50
...	...	...	...	...	...	...	...	1	...	...	...		...	...	...	...	...	...	...	...	...	1
...	...	...	...	1	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...
...	1	...	...	16	1	3	4	...	...	...	...		...	...	1	...	...	...	1	...	...	146
...	...	...	...	3	...	...	1	...	...	...	...		...	...	...	...	...	...	...	...	...	9
...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	1
60	...	20	...	591	176	137	70	20	40	17	4		...	...	59	25	9	43	60	16	1	7695
...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...
15	...	10	...	306	69	48	24	8	15	4	3		...	...	17	13	1	9	5	19	1	3947
11	...	10	...	75	23	16	11	6	...	...	...		...	...	7	4	...	1	...	...	...	584
...	...	...	...	5	...	1	2	...	...	...	...		...	...	2	...	...	...	...	...	...	24
...	...	...	...	...	...	...	...	...	...	...	...		...	...	1	...	...	...	...	...	...	2
3	...	2	...	16	2	5	2	3	1	...	...		...	...	7	1	1	...	1	...	...	80
14	...	1	...	22	3	1	2	2	2	...	1		...	...	17	...	1	...	1	...	...	116
19	...	8	...	187	96	53	15	7	6	7	...		...	...	90	12	2	55	9	6	1	1431
...	...	...	...	9	...	1	...	...	...	...	...		...	...	...	...	...	1	...	...	...	52
...	...	1	...	3	1	1	1	...	1	...	...		...	...	...	...	...	1	...	...	...	43
1	...	4	...	5	...	3	2	1	...	...	...		...	...	...	...	...	...	...	...	...	62
129	...	33	...	802	222	99	82	27	3	18	3		...	...	557	35	4	75	12	38	21	4243
193	2	59	...	1569	252	190	145	62	230	33	8		...	...	889	96	4	61	17	15	11	10665
1229	3	15	...	1499	668	250	268	13	3	17	9		1249	38	...	1408	4	45	31	17	1	10953
1094	1	11	...	1514	599	241	268	12	8	16	5		904	42	...	1282	1	31	15	9	3	9884
2971	8	297	...	7804	2375	1341	1156	232	333	138	40		2153	80	1717	2915	60	350	207	147	47	61648

XXVI.

STILL-BORN in different RACES and CASTES, arranged in Quarters, for the Year beginning 1st January 1901.

	MALES.																FEMALES.																PERSONS.																
	Jains.	Brahmins.	Lingaets.	Bhatias.	Hindus of other Castes.	Hindus, Low-Caste.	Mussulman.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Races and Castes.	All Races.	Jains.	Brahmins.	Lingaets.	Bhatias.	Hindus of other Castes.	Hindus, Low-Caste.	Mussulman.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Races and Castes.	All Races.	Jains.	Brahmins.	Lingaets.	Bhatias.	Hindus of other Castes.	Hindus, Low-Caste.	Mussulman.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Races and Castes.	All Races.	
January	3	1	..	2	35	9	15	9	..	1	..	..	..	..	5	80	..	..	..	..	17	8	11	1	1	3	..	1	..	..	4	46	3	1	..	2	52	17	26	10	1	4	..	1	..	..	9	126	January.
February	4	3	..	..	44	11	18	5	1	4	..	..	..	..	2	93	2	2	..	1	29	14	9	5	..	1	..	..	..	..	2	65	6	5	..	1	73	25	28	10	1	5	..	..	..	..	4	158	February.
March	4	..	1	..	49	18	15	1	..	3	..	..	..	..	6	97	1	1	..	..	36	16	16	5	..	2	1	1	..	..	6	85	5	1	1	..	85	34	31	6	..	5	1	1	..	..	12	182	March.
Quarter 1st	11	4	1	2	128	38	49	15	1	8	..	..	..	..	13	270	3	3	..	1	82	38	36	11	1	6	1	2	..	..	12	196	14	7	1	3	210	76	85	26	2	14	1	2	..	..	25	466	Quarter 1st.
April	1	..	1	..	51	19	19	1	..	7	..	1	..	..	4	104	..	3	..	1	32	5	14	2	..	1	..	..	..	..	6	64	1	3	1	1	83	24	33	3	..	8	..	1	..	..	10	168	April.
May	..	4	..	1	49	19	19	2	1	..	2	1	..	..	9	107	2	..	..	1	35	14	15	2	..	1	..	..	..	..	4	74	2	4	..	2	84	33	34	4	1	1	2	1	..	..	13	181	May.
June	1	2	..	..	48	29	21	1	..	3	..	1	..	..	6	112	1	1	1	..	31	20	12	6	..	2	1	..	..	..	4	79	2	3	1	..	79	49	33	7	..	5	1	1	..	..	10	191	June.
Quarter 2nd	2	6	1	1	148	67	59	4	1	10	2	3	..	..	19	323	3	4	1	2	98	39	41	10	..	4	1	..	..	..	14	217	5	10	2	3	246	106	100	14	1	14	3	3	..	..	33	540	Quarter 2nd.
July	1	4	...	..	45	29	18	2	..	4	..	1	..	..	5	109	1	2	..	..	28	24	13	3	..	1	1	..	..	..	3	76	2	6	..	..	73	53	31	5	..	5	1	1	..	..	8	185	July.
August	3	1	..	1	54	24	26	4	1	2	1	..	..	..	2	123	2	3	..	1	36	22	19	1	1	2	..	..	..	..	2	90	6	4	..	2	90	50	45	5	2	4	1	..	..	..	4	213	August.
September	2	6	..	2	55	19	27	2	..	1	..	..	..	..	3	117	4	3	..	1	41	21	13	2	..	3	..	..	..	..	1	89	6	9	..	3	96	40	40	4	..	4	..	..	..	..	4	206	September.
Quarter 3rd	6	11	...	3	154	76	71	8	1	7	1	1	..	..	10	349	8	8	..	2	105	67	45	6	1	6	1	..	..	..	6	255	14	19	..	5	259	143	116	14	2	13	2	1	..	..	16	604	Quarter 3rd.
October	..	4	..	1	53	28	24	7	..	5	..	1	..	..	..	123	7	2	..	..	40	11	12	4	..	1	2	1	..	..	3	83	7	6	..	1	93	39	36	11	..	6	2	2	..	..	3	206	October.
November	2	4	..	...	42	16	18	5	..	5	1	..	..	..	..	93	5	1	1	1	35	8	11	4	1	..	..	1	..	..	2	70	7	5	1	1	77	24	29	9	1	5	1	1	..	..	2	163	November.
December	1	2	..	..	53	14	18	1	..	3	..	..	..	..	7	99	2	2	..	3	28	15	14	1	..	..	1	2	..	..	8	75	2	4	..	3	81	29	32	2	..	3	1	2	..	..	15	174	December.
Quarter 4th	3	10	..	1	148	58	60	13	..	13	1	1	..	..	7	315	13	5	1	4	103	34	37	9	1	1	3	4	..	..	13	228	16	15	1	5	251	92	97	22	1	14	4	5	..	..	20	543	Quarter 4th.
Year	22	31	2	7	578	239	239	40	3	38	4	5	..	..	49	1257	27	20	2	9	388	178	159	36	3	17	6	6	..	..	45	896	49	51	4	16	966	417	398	76	6	55	10	11	..	..	94	2153	Year.

	MALES.																FEMALES.																PERSONS.																
	Jains.	Brahmins.	Lingaets.	Bhatias.	Hindus of other Castes.	Hindus, Low-Caste.	Mussulman.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Races and Castes.	All Races.	Jains.	Brahmins.	Lingaets.	Bhatias.	Hindus of other Castes.	Hindus, Low-Caste.	Mussulman.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Races and Castes.	All Races.	Jains.	Brahmins.	Lingaets.	Bhatias.	Hindus of other Castes.	Hindus, Low-Caste.	Mussulman.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Races and Castes.	All Races.	

XXVII.

STILL-BORN in different LOCALITIES, arranged in Quarters, for the Year beginning 1st January 1901.

	A						B					C							D						E								F				G			Harbour and Docks Railways and Homeless.	TOTAL.	
	Upper Colaba.	Middle and Lower Colaba.	Fort, Southern.	Fort, Northern.	Esplanade.	Total.	Mandvi.	Chukla.	Umarkhadi.	Dongri.	Total.	Market.	Dhobi Talao.	Fanaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Total.	Khetwadi.	Girgaum.	Chaupati.	Walkeshwar.	Mahalakshmi.	Total.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Total.	Parel.	Sewri.	Sion.	Total.	Mahim.	Worli.	Total.			
	1	2	3	4	5		1	2	3	4		1	2	3	4	5	6		1	2	3	4	5		1	2	3	4	5	6	7		1	2	3		1	2				
January	..	3	..	5	3	11	3	3	12	4	22	6	5	4	5	5	7	30	2	5	..	2	2	11	6	6	2	9	2	5	2	32	4	3	2	9	5	6	11	..	126	January.
February	..	2	..	5	..	7	6	3	11	5	30	8	7	3	7	5	4	34	3	2	..	3	3	18	3	5	5	5	5	12	2	37	10	2	7	19	6	7	13	..	158	February.
March	2	3	..	4	1	10	3	4	12	18	37	5	3	3	10	5	4	30	13	3	..	3	5	24	7	5	4	6	13	18	..	53	7	2	8	17	3	8	11	..	182	March.
Quarter 1st	2	8	..	14	4	28	12	15	35	27	89	19	15	10	20	15	15	94	18	17	..	8	10	53	16	16	11	20	20	35	4	122	21	7	17	45	14	21	35	..	466	Quarter 1st.
April	..	..	..	3	2	5	3	4	6	6	19	3	10	2	7	11	10	43	6	6	1	..	1	14	11	7	9	3	8	20	4	62	6	3	3	12	6	7	13	..	168	April.
May	1	4	..	4	..	9	13	9	12	17	51	5	8	1	5	8	5	32	5	4	..	..	3	12	5	9	5	9	6	20	3	57	4	1	3	8	6	6	12	..	181	May.
June	..	4	..	3	..	12	4	7	22	11	44	6	5	1	7	5	9	33	3	5	..	..	2	10	3	7	12	12	5	21	3	63	2	1	5	8	12	9	21	..	191	June.
Quarter 2nd	1	8	..	15	2	26	20	20	40	34	114	14	23	4	19	24	24	108	14	15	1	..	6	36	19	23	26	24	19	61	10	182	12	5	11	28	24	22	46	..	540	Quarter 2nd.
July	...	6	..	6	..	12	5	9	9	14	37	7	6	1	8	5	3	30	6	6	1	2	1	16	2	2	13	11	5	25	1	59	8	4	4	14	10	7	17	..	185	July.
August	..	7	..	7	2	16	9	9	15	11	44	3	6	1	8	9	7	40	4	5	..	3	4	16	8	3	11	11	7	26	1	67	6	4	9	19	7	4	11	..	213	August.
September	1	4	..	7	1	13	7	8	13	11	39	9	4	1	5	6	9	34	8	10	1	3	1	23	10	7	11	7	6	16	2	59	12	..	5	17	12	9	21	..	206	September.
Quarter 3rd	1	17	..	20	3	41	21	26	37	36	120	25	16	3	21	20	19	104	18	21	2	8	6	55	20	12	35	29	18	67	4	185	24	8	18	50	29	20	49	..	604	Quarter 3rd.
October	2	..	1	9	..	12	6	4	13	10	33	6	10	5	6	1	3	31	8	7	..	1	3	19	9	12	15	7	12	14	2	71	8	6	7	21	9	10	19	..	208	October.
November	..	..	1	7	..	8	7	4	10	7	28	4	8	3	7	5	2	29	7	10	..	..	4	21	4	9	7	10	2	13	2	47	11	..	3	14	1	15	16	..	163	November.
December	..	1	..	8	..	9	9	3	10	7	29	4	4	1	3	5	9	26	5	7	1	5	7	25	5	16	3	8	7	18	1	58	9	..	1	10	6	11	17	..	174	December.
Quarter 4th	2	1	2	24	..	29	22	11	33	24	90	14	22	9	16	11	14	86	20	24	1	6	14	65	18	37	25	25	21	45	5	176	28	6	11	45	16	36	52	..	543	Quarter 4th.
Year	6	34	2	73	9	124	75	72	145	121	413	72	76	25	77	70	72	392	70	77	4	22	36	209	73	88	97	93	78	208	23	665	85	26	57	168	83	99	182	.	2153	Year.
	1	2	3	4	5		1	2	3	4		1	2	3	4	5	6		1	2	3	4	5		1	2	3	4	5	6	7		1	2	3		1	2				
	Upper Colaba.	Middle and Lower Colaba.	Fort, Southern.	Fort, Northern.	Esplanade.	Total.	Mandvi.	Chukla.	Umarkhadi.	Dongri.	Total.	Market.	Dhobi Talao.	Fanaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Total.	Khetwadi.	Girgaum.	Chaupati.	Walkeshwar.	Mahalakshmi.	Total.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Total.	Parel.	Sewri.	Sion.	Total.	Mahim.	Worli.	Total.	Harbour and Docks Railways and Homeless.	TOTAL.	
	A						B					C							D						E								F				G					

XXVIII.

ABSTRACT of the METEOROLOGICAL OBSERVATIONS supplied by the BOMBAY OBSERVATORY during the Year beginning 1st January 1901.

MONTHS.	PRESSURE OF AIR. (Barometer 37½ feet above the mean sea-level, and reduced to 32° Fahr.)			TEMPERATURE OF AIR IN THE SHADE. Degree Fahr.			HYDROMETRIC STATE OF AIR.					WIND.		RAIN AT COLABA.		RAIN AT BYCULLA.		MONTHS.
							Dew Point. Degree Fahr.			Humidity.		Daily Mean Number of Hours.		Inches.	On No. of Days.	Inches.	On No. of Days.	
	Mean.	Mean Daily Range.	Absolute Range.	Mean.	Mean Daily Range.	Absolute Range.	Mean.	Mean Daily Range.	Absolute Range.	Mean.	Mean Daily Range.	From Sea.	From Land.					
January	29·934	·120	·311	74·2	9·8	18·0	63·1	6 8	25·8	·69	·35	11	13	·74	2	·55	1	January.
February	29 942	·119	·340	73·6	9·8	25·1	59·3	8·9	40·8	·62	·34	13	11	...	...	...	...	February
March	29·890	·123	·236	80·1	9·3	24 0	70·1	6·0	24·0	·73	·37	17	7	...	...	...	...	March.
Quarter, **1st**	29·929	·120	·295	75·9	9·6	22·3	64·1	7·2	30·2	·68	·35	13	10	·74	2	·55	1	Quarter, **1st**
April	29·777	·117	·312	84·2	8·2	14·5	74·8	3·2	12·3	·74	·17	19	5	·04	1	0·20	1	April.
May	29·784	·101	·245	86·6	6·9	10 9	76·3	1·8	6·8	·72	·07	22	1	·01	1	...	...	May.
June	29·682	·086	·358	83·7	5·3	17·2	77 5	2·4	9·1	·82	·22	20	3	25·36	24	26·51	23	June.
Quarter, **2nd**	29·747	·102	·305	84·8	6·8	14·2	76·2	2·4	9·4	·76	·15	20	3	25·41	26	26·71	24	Quarter, **2nd**
July	29·661	·074	·276	81·4	3·9	9·4	77·0	2·3	5·9	·87	·11	23	1	32·70	30	34·61	30	July.
August	29·707	·076	·314	80·5	3·4	7·6	80·5	3·4	7·6	·87	·13	24	...	14·27	29	17·81	29	August.
September	29·840	·099	·232	82·0	6·0	11·8	75·4	2·2	8·5	·81	·14	21	3	1·81	8	2·80	9	September.
Quarter, **3rd**	29·736	·083	·274	81·3	4·4	9·6	77·6	2·6	7·3	·85	·12	22	1	48·78	67	73·22	68	Quarter, **3rd**
October	29·831	·113	·286	81·7	7·4	15·6	75·4	3·3	14·5	·82	·24	17	7	·39	3	·32	1	October.
November	29·867	·115	·267	81·5	10·3	21·6	68·5	7·1	24·7	·66	·29	10	15	...	...	...	...	November.
December	29·950	·114	·245	78·7	10·7	19·1	65·6	3·2	20·4	·65	·24	10	14	...	...	...	...	December.
Quarter, **4th**	29·882	·114	·266	80·6	9·4	18 7	69·8	6·2	19·8	·71	·25	12	12	·39	3	·32	1	Quarter, **4th**
Year	29·823	·104	·285	80·6	7·5	16·2	71·7	4·6	16·7	·75	·21	16	6	75·32	98	82·80	94	Year.

Appendix A.

General Observatory, Colaba, Bombay.

AGGREGATE AND MEAN VELOCITIES AND RELATIVE FREQUENCY OF DIFFERENT WINDS, 1901.

TABLE showing for the year 1901 the Sums of the Velocities, and the Mean Velocities, in miles per hour, of the Winds which blew in each Month, from each of the Sixteen Principal Directions, and also the number of hourly Observations which those sums comprise; the latter numbers indicating the Relative Frequency of the same Wind (as to directions) in the several months, and of different Winds during the same Month.

1901.	N.			NNE.			NE.			ENE.			E.			ESE.			SE.			SSE.					
Months.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	No. of Observations. Calm.	No. of Observations. Variable.	No. of hours. Record lost.
	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles			
January ...	1053	126	8·4	638	94	6·8	322	46	7·0	703	81	8·7	329	40	8·2	138	23	6·0	4	1	4·0	19	2	9·5			
February ..	940	104	9·0	527	69	7·6	430	55	7·8	473	53	8·9	119	16	7·4	56	9	6·2	13	2	6·5	0	0	0·0			
March	417	58	7·2	178	32	5·6	212	36	5·9	295	49	6·0	75	12	6·2	22	5	4·4	39	8	4·9	42	8	5·2			
April	148	24	6·2	131	25	5·2	99	22	4·5	117	17	6·9	93	12	7·7	116	13	8·9	183	23	8·0	95	14	6·8			
May	85	10	8·5	69	10	6·9	64	5	12·8	13	1	13·0	50	10	5·0	0	0	0·0	0	0	0·0	27	2	13·5			
June	12	3	4·0	79	10	7·9	85	11	7·7	109	10	10·9	92	11	8·4	44	4	11·0	311	16	19·4	719	37	19·4			
July	10	2	5·0	0	0	0·0	0	0	0·0	0	0	0·0	0	0	0·0	69	6	11·5	114	13	8·8	134	11	12·2			
August ..	6	2	3·0	0	0	0·0	0	0	0·0	0	0	0·0	0	0	0·0	0	0	0·0	0	0	0·0	0	0	0·0			
September	114	19	6·0	67	12	5·6	53	11	4·8	115	16	7·2	52	7	7·4	72	7	10·3	82	10	8·2	40	6	6·7			
October ...	237	41	5·8	74	15	4·9	133	28	4·7	228	31	7·4	228	33	6·9	121	18	6·7	131	16	8·2	349	32	10·9			
November..	355	47	7·6	239	41	5·8	471	68	6·9	1349	154	8·7	686	88	7·8	127	12	10·6	45	6	7·5	86	5	7·2			
December..	431	68	6·3	238	41	5·8	734	100	7·3	1361	146	9·3	631	70	9·0	105	13	8·1	20	4	5·0	21	3	7·0			
Year...	3808	504	7·6	2240	349	6·4	2603	382	6·8	4754	558	8·5	2355	299	7·9	870	110	7·9	942	99	9·5	1482	120	12·3			

	S.			SSW.			SW.			WSW.			W.			WNW.			NW.			NNW.					
	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles			
January ...	40	4	10·0	0	0	0·0	17	2	8·5	154	17	9·1	150	21	7·1	252	27	9·3	1273	110	11·6	2081	150	13·9	0	0	0
February..	0	0	0·0	0	0	0·0	0	0	0·0	30	4	7·5	87	19	4·6	441	59	7·5	1806	127	14·2	2270	154	14·7	1	0	0
March	74	7	10·6	94	12	7·8	84	21	4·0	120	15	8·0	372	45	8·3	1407	173	8·1	1802	164	11·0	1200	97	12·4	2	0	0
April	264	27	9·8	349	30	11·6	134	18	7·4	295	39	7·6	589	77	7·6	1683	163	10·3	1604	161	10·0	479	54	8·9	0	1	0
May	46	5	9·2	84	11	7·6	405	56	7·2	1287	150	8·6	1940	218	8·9	1799	184	9·8	582	63	9·2	170	18	9·4	1	0	0
June	917	50	18·3	441	41	10·8	484	63	7·7	1738	169	10·3	2528	203	12·4	724	58	12·5	368	26	14·2	69	8	8·6	0	0	0
July	307	21	14·6	118	12	9·8	475	37	12·8	3781	235	16·1	6083	350	17·4	787	51	15·4	51	4	12·7	9	1	9·0	0	1	0
August ...	9	1	9·0	60	9	6·7	127	13	9·8	3657	232	15·8	7012	406	17·3	937	75	12·5	25	2	12·5	23	4	5·7	0	0	0
September.	32	6	5·3	0	0	0·0	17	3	5·7	403	52	7·7	2148	211	10·2	1271	135	9·4	1832	170	10·8	562	55	10·2	0	0	0
October ...	495	48	10·3	155	20	7·7	42	14	3·0	186	39	4·8	218	38	5·7	1163	131	8·9	1667	165	10·0	526	70	7·5	4	0	0
November..	0	0	0·0	0	0	0·0	4	1	4·0	0	0	0·0	114	14	8·1	831	100	8·3	848	85	9·9	1012	99	10·2	0	0	0
December..	0	0	0·0	0	0	0·0	8	2	4·0	42	6	7·0	244	33	7·4	659	80	8·2	784	88	8·9	942	90	10·5	0	0	0
Year...	2184	169	12·9	1301	135	9·6	1797	230	7·8	11688	958	12·2	21479	1635	13·1	11954	1236	9·7	12637	1166	10·8	9343	800	11·7	8	2	0

Appendix B.

MEMORANDUM of DEATHS, including Still-born, for the Year beginning 1st January 1901.

MONTHS.	BODIES HOW DISPOSED OF.			PLACE OF BIRTH.			RESIDENCE OF FAMILIES.			REPORTS.			Number of Deaths not tabulated
	Buried.	Burnt.	Exposed.	Bombay.	Elsewhere.	Unknown.	Bombay.	Elsewhere.	Unknown.	Written.	Verbal.	TOTAL.	
January	2,781	2,800	146	1,421	4,065	241	638	4,757	332	1,074	4,653	5,727	5
February	3,549	5,050	185	1,882	6,611	291	916	7,510	358	1,537	7,247	8,784	4
March	3,993	5,836	194	2,161	7,534	328	1,104	8,578	341	1,126	8,897	10,023	6
April	3,021	3,595	125	1,585	4,934	222	714	5,805	222	762	5,979	6,741	3
May	2,040	2,981	120	1,488	3,490	163	595	4,383	163	658	4,483	5,141	8
June	1,146	1,932	108	994	2,081	111	400	2,678	108	432	2,754	3,186	3
July	1,309	1,825	111	679	2,476	90	431	2,713	101	326	2,919	3,245	3
August	1,437	2,399	94	1,339	2,494	97	506	3,320	104	421	3,509	3,930	9
September	1,411	2,504	86	1,300	2,566	135	446	3,416	139	405	3,596	4,001	6
October	1,940	1,609	99	952	2,584	112	427	3,109	112	321	3,327	3,648	6
November	1,858	1,539	122	785	2,615	119	419	2,981	119	289	3,230	3,519	6
December	2,003	1,602	98	631	2,905	167	472	3,064	167	264	3,439	3,703	8
Total...	26,488	33,672	1,488	15,217	44,355	2,076	7,068	52,314	2,266	7,615	54,033	61,648	67*

* The deaths refer to those of persons who died out of Bombay and whose bodies were buried in Bombay. The number also includes still-births.

LICENSE DEPARTMENT.

Report of the Superintendent of Licenses forwarded under his No. 1, dated 1st April 1902.

I have the honour to submit my Administration Report as regards the working of the License Department for the year 1901-1902.

I append a tabulated statement showing the amount of fees collected under each head of licensable commodities during the year under report.

The income from all these up to 31st March last, including Rs. 803, collected for the previous year during 1901-02, was Rs. 67,516, that is Rs. 4,516 in excess of the amount estimated in the budget. The outstanding balance is about Rs. 400 and I hope to collect it within a few days.

Since the Municipal Corporation were pleased to sanction last year the addition of an Inspector to my outdoor staff, on my strong recommendation, I have been enabled this year to present a report far more satisfactory both as regards revenue from license fees and the number of licenses issued. In fact, this is a record year for the License Department as will be seen from the statement given below and justifies the addition to the staff of an Inspector sanctioned last year.

Official year.	No. of licenses issued.	Amount collected.
		Rs. a.
1890-1	3,235	36,417 8
1891-3	4,110	46,383 0
1892-3	4,833	54,996 8
1893-4	5,407	60,507 8
1894-5	5,701	63,914 8
1895-6	5,880	65,048 8
1896-7	5,130	56,462 8
1897-8	5,750	63,741 8
1898-9	5,588	60,646 8
1899-1900	5,831	63,732 8
1900-1901	5,912	63,689 0
1901-1902	6,154	67,516 0

I should have shown a still more satisfactory report as regards revenue, had it not been for the facts stated below.

(1). Owing to dull trade 26 tanneries at Dharavi, each paying a fee of Rs. 65, were closed during the whole of the year and consequently did not get their licenses renewed.

(2). Licenses were refused in the case of 68 oil presses each paying from Rs. 5 to Rs. 15, as the buildings in which they were located were found unsuitable for the trade.

(3). Two large stables were demolished by the City Improvement Trust, and licenses were refused in case of two others, as they would not carry out the improvements called for in them. Each of these would have paid a license fee of Rs. 100.

The number of prosecutions conducted during the year against persons for carrying on trades subject to licenses, without licenses, or for infringing the conditions thereof, amounted to 2,413 against 2,140, instituted during the year 1900-1901.

I cannot conclude this report without expressing my great gratification at the way in which each member of my staff both in-door and out-door has discharged the responsible and arduous duties entrusted to him. Had it not been so, I should not have been so fortunate as to present this report on the very first day of this official year.

A.

YEARLY Total of License Fees (with Process Fees) recovered during 1901-1902.

Nature of Trade.	License Fee. Rs.	a.	Process Fee. Rs.	a.
Bones	150	0	1	8
Bricks (Hand-made)	140	0	7	8
Candles (Manufacturing)	10	0	.....	
China Grass, Cocoanut Fibre, Flax, Hemp, Jute and Tow	550	0	3	0
Charcoal	1,626	0	19	0
Coal and Coke	1,920	0	8	8
Cloths in Indigo, Dyeing	660	0	2	8
Do. in other Colours, Dyeing	645	0	27	8
Chemical Preparations	1,995	0	8	0
Cotton and Cotton Refuse or Seeds	2,720	0	27	8
Cotton, Wool, Hemp, Rags, &c., Pressing	1,450	0	6	0
Dammer, Tar or Pitch	340	0	9	0
Fat and Tallow	315	0	2	0
Fins	180	0	.....	
Fish (Dried)	490	0	2	8
Fireworks (Retail)	615	0	6	0
Do. (Wholesale)	360	0	.....	
Firewood Bundles (Retail)	552	0	16	0
Firewood (Wholesale)	9,380	0	92	0
Gas (Manufacturing)	150	0	.....	
Gunpowder (Retail)	125	0	2	0
Do. (Wholesale)	350	0	0	8
Hides and Skins (Raw)	650	0	.....	
Do. (Dried)	195	0	3	8
Raw Skins and Wool (Storing and Pressing)	1,300	0	1	8
Horns and Hoofs	915	0	8	0
Hay, Straw and Grass	3,045	0	21	8
Kerosine Oil (Retail)	5,915	0	103	0
Do. (Wholesale)	3,395	0	2	8
Lime for Burning (Lime-kiln)	650	0	4	8
Matches (Retail)	876	0	43	0
Do. (Wholesale)	465	0	1	8
Metal (Casting)	2,104	0	27	0
Oil (Ghanees) Mills	59	0	0	8
Oils (Mills), prepared by Mechanical Power	160	0	.....	
Oils	4,592	0	29	8
Petroleum Oil (Retail)	78	0	.....	
Do. (Wholesale)	50	0	.....	
Paper (Manufacturing)	15	0	.....	
Pottery (Do.)	115	0	.....	
Rags	30	0	.....	
Rangoon or Burmah Oil	20	0	.....	
Rosin	80	0	3	0
Salt-petre	90	0	0	8
Sulphur (Retail)	195	0	1	8
Do. (Wholesale)	180	0	0	8
Silk (Dyeing)	85	0	.....	
Soap (Manufacturing)	180	0	1	0
Stable for Horses	1,720	0	7	0
Do. Milch-Cattle	3,800	0	6	0
Do. Bullocks	660	0	7	8
Do. other four-footed animals	15	0	.....	
Timber	7,963	0	190	0
Turpentine (Retail)	620	0	7	0
Do. (Wholesale)	150	0	.....	
Wool	1,425	0	10	8
Waste-paper	48	0	3	0
Whistle (Steam)	210	0	.....	
Grand Total Rs.	66,713	0	724	8

B.

STATEMENT showing the Amount of License Fee (with Process Fee) for 1900-1901 recovered in 1901-1902.

Months.	License Fee.	Process Fee.
1901.	Rs.	Rs. a.
April	605	19 0
May	108	5 8
June	25	1 0
August	65	4 8
Total ... Rs.	803	30 0

SUMMARY OF INCOME FOR 1901-1902.

Official Year during which Collection was made.	License Fee.	Process Fee.	REMARKS.
	Rs. a.	Rs. a.	
Income for 1900-1901 collected during the official year 1901-1902	803 0	30 0	*Vide* Statement marked **B.**
Income for 1901-1902 collected from 1st April 1901 to 31st March 1902	66,713 0	724 8	*Vide* Statement marked **A.**
Total ... Rs.	67,516 0	754 8	

1.—MARKETS.

Report of the Superintendent of Markets and Slaughter Houses received under his No. 809, dated 11th June 1902.

1. The total amount of stallages from the different Municipal Markets, recoverable every quarter or half-year, under the terms of Section 407 (*a*) and (*c*) at the opening of the year, amounted to Rs. 48,148 against Rs. 48,395 at the closing of the year, showing an increase of Rs. 247, which is, in a measure, due to the right of occupancy of some of the stalls in the different markets having been sold by auction for a higher sum during the year under report. The following is the detailed statement :—

Names of Markets.	Rent per quarter as appearing at the opening of the year.	Rent per quarter as appearing at the closing of the year.	Increase.	Decrease.	Net increase.	REMARKS.
	Rs.	Rs.	Rs.	Rs.	Rs.	
Colaba Market	311	316	5	...	Net Increase Rs. 247-0-0.	
Fort do.	4,763	4,763	...	...		Half-yearly.
A. C. Fruit and Vegetable Market ...	15,133	15,291	158	...		
Do. Fish and Mutton Market ...	2,609	2,616	7	...		
Do. Mutton Market (new)	947	947	...	...		
Do. Beef Market	2,660	2,634	...	26		
Godowns	1,553	1,553	...	...		
Fowl Rooms	849	858	9	...		
Erskine Road Fruit and Vegetable Market ... ... (old) ...	6,365	6,414	49	...		
Do. do. ... (new) ...	2,474	2,448	...	26		
Do. do. Mutton Market ...	2,570	2,571	1	...		
Bhuleshwar Market	3,116	3,152	36	...		
Pedder do.	461	472	11	...		
Foras Road do.	345	345	...	...		
Pork do.	100	100	...	...		Yearly.
DeLisle Road Sheep Market	3,570	3,593	23	...		
Fergusson Road Market	322	322	...	...		Half-yearly.
Total ...	48,148	48,395	299	52		

2. The total amount of Market fees (exclusive of departmental squatters' fees and those recovered from contractors) collected during the year under report, on the basis of the scale shewn above, amounted to Rs. 1,52,344-7-7 against Rs. 1,51,983-1-9 in the previous year, shewing an increase of Rs. 361-5-10. The average number of stalls vacant in each quarter in the different markets during the year under report was greater in some markets than in the preceding year as shown in the detailed statement in the margin. This accounts for only a slight increase in stall rents, which would otherwise have been greater owing to right of occupancy of some of the stalls having been put up to auction and higher rentals obtained for them than in the previous year. The following is an explanatory statement which will show in detail the difference in stall rents on account of the total or partial vacancy of stalls as also the subsequent alterations in stall rents on account of rise or fall in rents at the auction sale during the year under report contrasted with those in the previous year :—

Names of Markets.	Total number of stalls.	Average number of stalls vacant in each quarter in 1901-1902.	Average number of stalls vacant in each quarter in 1900-1901.
Colaba Market	70	31	27
Fort Market	265	58	50
A. C. Fruit and Vegetable Market	562	40	43
Do. Fish and Mutton Market	110	47	46
Do. Mutton Market (new)	68	12	12
Do. Beef Market	77	..	..
Godowns	28	..	..
Fowl rooms	29	..	Two vacant in June and one in October 1900.
Erskine Road Fruit and Vegetable Market (old) ..	426	30	30
Do. do. (new)	128	62	57
Do. Mutton Market	114	40	38
Bhuleshwar Market	162	32	34
Pedder Market	40	9	10
Foras Road Market	68	44	46
Pork Market	2	..	..
DeLisle Road Sheep Market	50	..	..
Fergusson Road Market	28	3	3

Names of Markets.	Annual rent recoverable as based on the quarterly or half-yearly rents as appearing at the opening of the year.	Difference in collection of rents during the year on account of rise or fall in rents.		Difference in collection of rents during the year on account of total or partial vacancy of stalls.	Net increase.	Net decrease.	Actual amount recovered during the year (difference of columns 2, 6 and 7).	Remarks.
		Increase.	Decrease.					
1	2	3	4	5	6	7	8	9
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Colaba Market	1,241 0 0	8 9 4	.....	447 11 4	.....	439 2 0	804 14 0	
Fort Market	9,369 0 0	.....	.....	2,146 5 3	.....	2,146 5 3	7,222 10 9	
A. C. Fruit and Vegetable Market	60,532 0 0	569 9 4	105 4 6	3,683 4 3	.....	3,218 15 5	57,313 0 7	
Do. Fish and Mutton Market	10,436 0 0	16 10 8	.....	3,186 8 8	.....	3,169 14 0	7,266 2 0	
Do. Mutton Market (new)	3,788 0 0	.....	.....	678 8 0	.....	678 8 0	3,109 8 0	
Do. Beef Market	10,640 0 0	.....	34 12 0	59 2 0	.....	93 14 0	10,546 2 0	
Godowns	6,212 0 0	.....	.....	.....	.....	.....	6,212 0 0	
Fowl rooms	3,396 0 0	18 10 8	.....	54 8 0	.....	35 13 4	3,360 2 8	
Erskine Road Fruit and Vegetable Market (old)	25,460 0 0	98 0 0	31 10 8	1,717 1 9	.....	1,650 12 5	23,809 3 7	
Do. do. do. (new)	9,896 0 0	.....	53 4 0	4,631 8 0	.....	4,684 12 0	5,211 4 0	
Do. Mutton Market	10,280 0 0	1 1 0	.....	2,886 11 2	.....	2,885 10 2	7,394 5 10	
Bhuleshwar Market	12,464 0 0	104 0 0	12 0 0	2,436 0 0	.....	2,344 0 0	10,120 0 0	
Pedder Market	1,634 0 0	29 8 0	.....	328 2 0	.....	298 10 0	1,335 6 0	
Foras Road Market	1,380 0 0	.....	.....	1,032 10 0	.....	1,032 10 0	347 6 0	
Pork Market	100 0 0	.....	.....	.....	.....	.....	100 0 0	
DeLisle Road Sheep Market	7,140 0 0	26 1 2	.....	10 8 7	15 8 7	.....	7,155 8 7	
Fergusson Road Market	1,288 0 0	.....	.....	251 2 5	.....	251 2 5	1,036 13 7	
Total for 1901-1902	1,75,259 0 0	872 2 2	236 15 2	23,549 11 5	15 8 7	22,930 1 0	1,52,344 7 7	
Colaba Market	1,220 0 0	6 0 0	.....	345 10 0	.....	339 10 0	880 6 0	
Fort Market	9,225 0 0	76 8 0	.....	1,937 4 0	.....	1,860 12 0	7,364 4 0	
A. C. Fruit and Vegetable Market	59,448 0 0	258 3 1	116 8 0	3,696 4 8	.....	2,054 9 7	56,493 6 5	
Do. Fish and Mutton Market	10,456 0 0	.....	5 8 0	3,143 4 0	.....	3,148 12 0	7,307 4 0	
Do. Mutton Market (new)	3,788 0 0	.....	.....	678 0 0	.....	678 0 0	3,110 0 0	
Do. Beef Market	10,656 0 0	.....	12 0 0	.....	.....	12 0 0	10,644 0 0	
Godowns	6,212 0 0	.....	.....	.....	.....	.....	6,212 0 0	
Fowl rooms	3,444 0 0	.....	36 0 0	31 0 0	.....	67 0 0	3,377 0 0	
Erskine Road Fruit and Vegetable Market (old)	25,040 0 0	499 6 0	102 0 0	1,719 12 0	.....	1,322 6 0	23,717 10 0	
Do. do. do. (new)	9,856 0 0	26 10 8	10 0 0	4,349 14 8	.....	4,333 4 0	5,522 12 0	
Do. Mutton Market	10,220 0 0	44 0 0	.....	2,743 6 8	.....	2,699 6 8	7,520 9 4	
Bhuleshwar Market	12,556 0 0	.....	30 0 0	2,621 9 4	.....	2,659 9 4	9,896 6 8	
Pedder Market	1,034 0 0	.....	.....	360 0 0	.....	360 0 0	1,274 0 0	
Foras Road Market	1,380 0 0	.....	.....	1,059 4 8	.....	1,059 4 8	320 11 4	
Pork Market	100 0 0	.....	.....	.....	.....	.....	100 0 0	
DeLisle Road Sheep Market	7,140 0 0	.....	.....	.....	.....	.....	7,140 0 0	
Fergusson Road Market	1,296 0 0	.....	3 0 0	190 4 0	.....	193 4 0	1,102 12 0	
Total for 1900-1901	1,73,671 0 0	1,510 11 9	323 0 0	22,875 10 0	.....	21,687 14 8	1,51,983 1 9	

8. The amount of stall rents in detail, during the year under report, contrasted with those in the previous four years, is as under :—

Names of Markets.	1897-98.	1898-99.	1899-1900.	1900-1901.	1901-1902.	Difference as compared with 1900-1901.		Remarks.
						Increase.	Decrease.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Colaba Market	585 6 0	735 4 0	860 10 0	880 6 0	804 14 0	....	75 8 0	
Fort Market	6,778 4 0	6,925 4 0	6,946 8 0	7,364 4 0	7,222 10 9	.....	141 9 3	
A. C. Fruit and Vegetable Market ...	49,752 10 0	54,208 2 0	54,873 7 2	56,493 6 5	57,313 0 7	819 10 2	.....	
Do. Fish and Mutton Market	6,692 9 4	7,251 8 0	7,141 8 9	7,307 4 0	7,266 2 0	.....	41 2 0	
Do. Mutton Market (new)	2,803 0 8	2,960 0 0	3,113 8 0	3,110 0 0	3,109 8 0	.....	0 8 0	
Do. Beef Market	9,256 6 8	10,309 0 0	10,477 4 0	10,644 0 0	10,546 2 0	.....	97 14 0	
Godowns	6,212 0 0	6,212 0 0	6,212 0 0	6,212 0 0	6,212 0 0	.....	.....	
Fowl rooms	3,250 8 0	3,372 0 0	3,394 8 0	3,377 0 0	3,360 2 8	.....	16 13 4	
Erskine Road Fruit and Vegetable Market (old)...	21,377 2 8	22,809 12 0	23,328 2 8	23,717 10 0	23,809 3 7	91 9 7	.....	
Do. do. (new)...	5,049 3 4	5,108 8 0	5,494 9 4	5,522 12 0	5,211 4 0	.....	311 8 0	
Do. Mutton Market	6,650 6 8	4,752 0 0	7,201 12 0	7,520 9 4	7,394 5 10	.....	126 3 6	
Bhuleshwar Market	11,721 2 8	8,581 4 0	9,239 1 4	9,896 6 8	10,120 0 0	223 9 4	.....	
Pedder Market	1,262 0 0	1,226 0 0	1,245 6 0	1,274 0 0	1,335 6 0	61 6 0	.....	
Foras Road Market...	422 4 0	495 14 0	330 0 0	320 11 4	347 6 0	26 10 8	.....	
Pork Market...	100 0 0	100 0 0	100 0 0	100 0 0	100 0 0	.....	.....	
DeLisle Road Sheep Market	5,985 0 0	7,140 0 0	7,140 0 0	7,140 0 0	7,155 8 7	15 8 7	.....	
Fergusson Road Market	.....	592 10 8	1,129 2 0	1,102 12 0	1,036 13 7	.....	65 14 5	Opened from 1st November 1898.
Total ...	1,37,898 0 0	1,44,779 2 8	1,48,227 7 3	1,51,983 1 9	1,52,344 7 7	.....	.....	
Increase over preceding year's rent ...	.....	6,881 2 8	3,448 4 7	3,755 10 6	361 5 10	....	.....	
Decrease over preceding year's rent ...	4,700 8 0	.....	.....	....	.....	.....	.....	

4. The Squatters' fees from Fish Markets, scale fees in the Crawford Markets Compound, and the Fair Ground Rent and the Feeding Fees at the Bandora Slaughter' Houses, recovered from the Contractors during the year under report, amounted to Rs. 1,04,485 against Rs. 1,02,010-5-4 (which includes Rs. 0-5-4 paid in excess by the Colaba Market Contractor in his instalment for the month of April 1900), showing an increase of Rs. 2,474-10-8. These rights were put up to auction by the Municipal Auctioneers at the Market Office. As anticipated the competition at the sale, when the right to collect the Bandora Fees was put up, was very keen, the amount realized being Rs. 69,200, which shows an increase of Rs. 2,700 over the preceding year. This result is due to the fact that of late the importation of animals on to the Bandora Fair Ground has been very large. Though the number imported during the year under report, *vide* statement under para. 13, shows a decrease over the number in the preceding year, yet the fees, levied by the Fair Ground Contractor on this number, was sufficient to very nearly cover the amount of Rs. 69,200 paid by him to the Municipality for the right. The fee, as calculated on the number of animals brought on the Bandora Fair Ground, would come to Rs. 68,432-4-0 as worked out in the margin. To this if added the further fees of one anna each per day for each head of horned cattle and one pie for each sheep and goat which the contractor is authorized to recover per day on animals remained longer than forty-eight hours at the Bandora Slaughter Houses, and which might roughly be estimated at Rs. 10,000 in a year (there being no statistics in this office to arrive at any definite figure), the figure would come to Rs. 78,400 in round sum, to say nothing of the further recovery of fees by him for wagons of hay, &c., landed by the B. B. & C. I. Railway Company on the Slaughter House Siding. This clearly goes to show that notwithstanding such a heavy amount as Rs. 69,200 realized for this right, there was still a large margin of profit for the contractor. It is gratifying to note that the same state of affairs continues at Bandora, and it is likely that the yield from this head will go still higher when the right is next put up to auction. In the following statement is contrasted in detail the amount of fees recovered from the different contractors during the year under report with those in the previous four years :—

	Rs.	a.	p.
1,439 Buffaloes at 10 annas per head ...	899	6	0
48,425 Horned cattle at annas 8 per head...	24,212	8	0
6,93,126 Sheep and goats at anna one per head	43,320	6	0
Rs.	68,432	4	0

Particulars.	1897-98.	1898-99.	1899-1900.	1900-1901.			1901-1902.			Difference as compared with 1900-1901. Increase	Difference as compared with 1900-1901. Decrease.			Remarks.
	Rs.	Rs.	Rs.	Rs.	a.	p.	Rs.	a.	p.	Rs.	Rs.	a.	p.	
Fort Market ...	1,500	1,400	1,250	1,700	0	0	1,900	0	0	200	.....			
A. C. Beef and A. C. Fish Markets...	5,200	5,200	5,350	6,800	0	0	6,800	0	0	...	.....			
Erskine Road Fish Market	13,900	15,000	13,000	16,850	0	0	15,800	0	0	...	1,050	0	0	* The amount recovered as fine for one day's delay in payment of the monthly instalment.
Pedder Market ...	1,175	1,125	1,050	1,400	0	0	1,700	0	0	300	.....			
Foras Road Market.	70	35	60	35	0	0	35	0	0	...	.....			
Colaba Market ...	900	650	875	1,100	0	0	1,050	0	0	...	50	5	4	
Fergusson Road Market	...	‡ 405	800	†0	5	4								† Amount paid in excess by the Colaba Market Contractor in his instalment for the month of April 1900
				1,125	0	0	1,300	0	0	175	.....			
Total Squatters' Fees	22,745	23,825	22,385	29,010	0	0	28,585	0	0					
				0	5	4								
Scale fees at the A. C. Market compound	4,100	4,700	4,700	6,500	0	0	6,700	0	0	200	.....			
Fair Ground Rent and Feeding Fees at Bandora ...	54,200	51,000	66,000	66,500	0	0	69,200	0	0	2,700	.....			‡ This amount is from the opening of the market, that is, from 1st November 1898 to 31st March 1899.
GRAND TOTAL ...	81,045	79,525	93,085	1,02,010	5	4	1,04,485	0	0					
Increase over preceding year's amount	...	...	13,560	8,925	5	4	2,474	10	8					
Decrease over preceding year's amount	18,010	1,520	...	.....			.....							

5. The Squatters' fees collected departmentally in the several Municipal markets during the yeaf under report amounted to Rs. 3,295-12-0 against Rs. 3,077-1-3 in the previous year, showing an increase of Rs. 218-10-9. This is due to greater number of squatters having occupied places under the eaves of the markets than in the previous year. In the following statement are contrasted the fees recovered during the year under report with those in the previous year :—

Names of Markets.	1901-1902.	1900-1901.	Difference.		Remarks.
			Increase.	Decrease.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Fort Market	2 11 0	6 3 0	.....	3 8 0	
A. C. Fruit and Vegetable Market	206 13 0	196 12 3	10 0 9	.....	
Erskine Road Fruit and Vegetable Market	1,372 5 0	1,317 1 6	55 3 6	.....	
Bhuleshwar Market.... ...	1,129 11 0	1,040 5 0	89 6 0	.....	
Colaba Market...	50 13 0	54 12 0	.....	3 15 0	
Fergusson Road Market ...	533 7 0	461 15 6	71 7 6	.....	
Total ...	3,295 12 0	3,077 1 3	226 1 9	7 7 0	

6. For ready reference the total receipts from each market (that is, Stall rents, Squatters' fees collected departmentally and Squatters' fees from the contractors) during the year under report have been shown in the following statement :—

Names of Markets.	Stall Rents.	Squatters' Fees collected departmentally.	Squatters' fees from Contractors.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Colaba Market	804 14 0	50 13 0	1,050 0 0	1,905 11 0
Fort Market	7,222 10 9	2 11 0	1,900 0 0	9,125 5 9
A. C. Fruit and Vegetable Market	57,313 0 7	206 13 0	.....	57,519 13 7
A. C. Fish and Mutton Market	7,366 2 0	.....	6,800 0 0	14,066 2 0
A. C. Mutton Market (new)	3,109 8 0	.....	.....	3,109 8 0
A. C. Beef Market	10,546 2 0	.....	.....	10,546 2 0
A. C. Market Scale Fees	.....	.....	6,700 0 0	6,700 0 0
Godowns	6,212 0 0	.....	.....	6,212 0 0
Fowl room	3,360 2 8	.....	.....	3,360 2 8
Crawford Markets Total	87,806 15 3	206 13 0	13,500 0 0	1,01,513 12 3
Erskine Road Fruit and Vegetable Market (old) ...	23,809 3 7	1,372 5 0	.....	25,181 8 7
Do. do. (new) ...	5,211 4 0	.....	.....	5,211 4 0
Do. Mutton Market	7,394 5 10	.....	.....	7,394 5 10
Do. Fish Market	.....	.....	15,800 0 0	15,800 0 0
Erskine Road Markets Total	36,414 13 5	1,372 5 0	15,800 0 0	53,587 2 5
Bhuleshwar Market	10,120 0 0	1,129 11 0	.....	11,249 11 0
Pedder Market	1,335 6 0	.....	1,700 0 0	3,035 6 0
Foras Road Market	347 6 0	.....	35 0 0	382 6 0
Pork Market	100 0 0	.....	.....	100 0 0
DeLisle Road Sheep Market	7,155 8 7	.....	.....	7,155 8 7
Fergusson Road Market	1,036 13 7	533 7 0	1,300 0 0	2,870 4 7
Grand Total ...	1,52,344 7 7	3,295 12 0	35,285 0 0	1,90,925 3 7

7. The revenue from other sources, comprising the following heads, was Rs. 2,097-1-6 against Rs. 1,938-14-0 in the previous year, showing an increase of Rs. 158-3-6 as detailed against each head in the following statement :—

Particulars.	1901-1902.	1900-1901.	Difference.	
			Increase.	Decrease.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Verifying weights and measures	1,775 5 6	1,657 0 0	118 5 6	.....
Garden produce...	28 9 6	7 9 6	21 0 0	.....
Prices current	80 2 6	89 7 0	.....	9 4 6
Sale proceeds of meat or animals seized under Section 412 (2) of the Act	97 4 0	54 4 0	43 0 0	.....
Sale proceeds of manure	82 12 0	89 4 0	.....	6 8 0
Recovery of gas	15 0 0	.....	15 0 0	.....
Fees for producing Office record	10 0 0	5 0 0	5 0 0	.....
Fees for preparing duplicate copies of receipts	.....	4 1 6	.....	4 1 6
Sale proceeds of wood of trees in the Crawford and Pedder Markets' compound ...	8 0 0	22 4 0	.....	14 4 0
Miscellaneous (Bribe offered to Peons) ...	.....	10 0 0	.....	10 0 0
Total ...	2,097 1 6	1,938 14 0	202 5 6	44 2 0

8. The chief item of increase in the above statement is under the head "Verifying weights and measures." This is due to the Police having taken action against some of the grain dealers and others for using short weights and measures. There being no appreciable difference under the other heads, the detailed explanation is not necessary.

Slaughter Fees, Butchers' License Fees, &c., &c.

9. The total collection under these heads amounted to Rs. 1,60,759-4-4 against Rs. 1,60,086-11-0 in the previous year, showing an increase of Rs. 672-9-4 as contrasted in the following statement :—

Particulars.	1901-1902.	1900-1901.	Difference.	
			Increase.	Decrease.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Slaughter fees	1,39,042 0 0	1,39,008 3 0	33 13 0	.....
License fees	15,713 4 4	15,466 8 0	246 12 4	.....
Carriage of meat for Commissariat Contractor.	48 0 0	48 0 0	.....	.....
Ground rent	72 0 0	72 0 0	.....	.....
Chawl rent	2,319 0 0	2,312 0 0	7 0 0	.....
Total ...	1,57,194 4 4	1,56,906 11 0	287 9 4	.....
Rent from the Commissariat Department (paid direct into the Chief Accountant's Office) ...	3,000 0 0	3,000 0 0	.....	.....
Proceeds of blood from the Contractor	565 0 0	180 0 0	385 0 0	.....
Total ...	3,565 0 0	3,180 0 0	385 0 0	.....
GRAND TOTAL ...	1,60,759 4 4	1,60,086 11 0	672 9 4	.....

10. It will be observed on reference to the above statement that during the year under report there was no appreciable difference in the amount of Slaughter Fees, though there was a large reduction in the number of sheep and goats slaughtered as will appear from the statement in the margin. There would have been a large falling off in the yield from this head had there been no increase in the number of buffaloes, cows, bullocks, &c., slaughtered during the year under report.

Description of animals.	Number slaughtered in 1901-1902.	Number slaughtered in 1900-1901.	Increase.	Decrease.
Buffaloes	1,345	1,198	147	.....
Cows, bullocks and calves...	43,043	42,349	694	.....
Sheep and goats	606,681	621,367	.....	14,686

11. The increase in the proceeds of blood is due to the right of utilizing the blood of animals slaughtered in the Bandora Slaughter-houses having been sold to Messrs. Croft, Mody and Company for a period of three years, commencing from 1st September 1901, for Rs. 840 per annum including ground rent Rs. 10 per month against Rs. 180 per annum. For this right tenders were invited, and the tender of Messrs. Croft, Mody and Company being the most advantageous to the Municipality was accepted by the Standing Committee.

12. It will be seen, on reference to the several foregoing statements, that the total receipts under all the heads detailed therein amounted to Rs. 4,22,981-9-5, against Rs. 4,19,096-1-4, showing an increase of Rs. 3,885-8-1.

13. During the year under report, 1,439 buffaloes, 48,425 horned cattle and 693,126 sheep and goats were brought on the Bandora Fair Ground for examination and disposal, out of which 71 buffaloes, 3,348 horned cattle and 32,772 sheep and goats were found unfit for slaughter on inspection, and were consequently rejected, as shown in the following comparative statement. The remainder were either slaughtered for the markets, or were otherwise disposed of, the details of which are shown in Appendix **A**.

Year.	Animals presented for examination.			Animals rejected.		
	Buffaloes.	Horned cattle.	Sheep and goats.	Buffaloes.	Horned cattle.	Sheep and goats.
1901-1902	1,439	48,425	6,93,126	71	3,348	32,772
1900-1901	1,273	50,511	706,903	77	4,451	32,870

14. The total amount of refunds, for which certificates were granted on account of Slaughter Fees in respect of the animals that were removed from the Slaughter-houses compound for shipping requirements, was Rs. 1,632-8-0, the details of which are as under :—

Number of cows, bullocks or calves removed on board.	Amount of refund.	Number of sheep and goats removed on board.	Amount of refund.	Total amount of refund.
	Rs. a. p.		Rs. a. p.	Rs. a. p.
78	390 0 0	2,485	1,242 8 0	1,632 8 0

15. The quantity of unwholesome food, particularly meat and fish, destroyed during the year under report as unfit for human consumption, under the provisions of Sections 415 and 416 of the Act, was 68,868 lbs. against 156,208 lbs. in the previous year.

16. The fines inflicted by the Presidency Magistrates for the infringement of the provisions of the Sections of the Municipal Act and the By-laws pertaining to Markets and Slaughter-houses amounted to Rs. 1,271-0-0 during the year under report, against Rs. 510-0-0 in the previous year as detailed below :—

Year.	Section 411 (*a*).	Section 411 (*b*).	Section 413.	By-laws, Chapter II, Clause 18.	Total amount of fines.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1901-1902	.....	265 0 0	996 0 0	10 0 0	1,271 0 0
1900-1901	5 0 0	55 0 0	440 0 0	10 0 0	510 0 0

General Remarks.

17. The beef and mutton supply during the year under report was fairly good, also the fruit and vegetable supply was up to mark.

18. In submitting the report for the last year I dwelt upon the fact of the market staff being numerically weak, and altogether inadequate for the varied and important duties they have to perform. But I did not introduce the subject in the budget on account of the financial strain. But in the interests of the markets I shall have to place this matter strongly before the Commissioner in the next market budget. I would mention that the Head Clerk and Accountant, Mr. Burjorji Rastamji Katrak, had displayed the same zeal in his responsible duties as he had done in all previous years, and the other members of the market staff had also worked satisfactorily.

Appendix A.

STATEMENT showing the number of animals slaughtered, removed for private slaughter, &c., during the year 1901-1902.

Description of animals.	MONTHS. April 1901.	May 1901.	June 1901.	July 1901.	Aug. 1901.	Sept. 1901.	Oct. 1901.	Nov. 1901.	Dec. 1901.	Jan. 1902.	Feb. 1902.	Mar. 1902.	Total number of animals.	Total amount of slaughter fees. Rs. a. p.	REMARKS.
Buffaloes	39	59	60	119	198	152	111	199	139	73	85	111	1,345	13,450 0 0	
Cows	3,795	3,735	3,573	3,342	2,849	2,736	2,777	2,558	3,377	3,648	3,238	2,793	38,421	28,815 12 0	
Bullocks	300	209	187	173	187	209	325	422	645	553	413	306	3,929	2,946 12 0	
Calves	47	56	68	52	54	38	35	64	97	71	55	56	693	519 12 0	
Sheep, goats, &c., for Bombay ...	47,948	43,381	42,855	45,147	47,542	48,015	46,809	51,367	54,395	49,604	42,741	44,764	564,568	70,571 0 0	
Sheep, goats, &c., for Mahim ...	1,925	1,771	1,791	1,764	1,793	2,770	1,635	1,811	2,090	2,301	1,785	1,857	23,293	1,455 13 0	
Sheep, goats, &c., for Bandora ...	1,558	1,645	1,449	1,438	1,436	1,758	1,528	1,514	1,740	1,709	1,469	1,576	18,820	1,176 4 0	
Horned cattle slaughtered by Commissariat	177	181	146	163	164	151	174	173	171	229	188	214	2,131	1,065 8 0	
Sheep, goats, &c., slaughtered by Commissariat	417	456	419	434	446	533	532	486	603	655	551	703	6,235	389 11 0	
Pigs slaughtered at Sonapore...	51	42	50	57	49	49	44	49	68	51	55	47	618	618 0 0	
	1	**2**	**4**	.....	**3**	.....	**4**	**3**	**4**	**3**	**5**	**2**	**31**	**62 0 0**	
Live horned cattle brought to Bombay	47	8	2	1	3	4	1	71	30	4	5	3	179	895 0 0	
	1	.....	**1**	.....	.....	.....	.....	.....	.....	.....	.....	.....	**2**	**10 0 0**	
Live sheep, goats, &c., brought to Bombay	928	497	634	527	304	469	655	613	887	582	603	1,692	8,391	4,195 8 0	
	14	**12**	**40**	**44**	**21**	**32**	**45**	**31**	**34**	**10**	**17**	**27**	**327**	**163 8 0**	
Live sheep, goats, &c., removed by DeLisle Road Sheep Market Fadkarees	1,947	1,957	2,174	2,528	1,280	2,018	1,619	1,624	2,004	1,862	1,529	4,873	25,415	12,707 8 0	
													Total Slaughter Fees ..	1,39,042 0 0	

The figures in Block type show the number of animals slaughtered in Bombay by private individuals within the meaning of Section 403 (2) (c) of the Act.

EDUCATIONAL.

REPORT OF THE JOINT SCHOOLS COMMITTEE, FORWARDED BY THE COMMITTEE'S SECRETARY UNDER HIS NO. 506, DATED 14TH JUNE 1902.

THE JOINT SCHOOLS COMMITTEE'S OFFICE,
BOMBAY, 21*st May* 1902.

REPORT ON THE ADMINISTRATION OF THE JOINT SCHOOLS COMMITTEE FOR THE YEAR 1901-1902.

Constitution of the Committee.

At the commencement of the year the Committee consisted of the following members :—

Appointed by Government.	*Appointed by the Corporation.*
KHAN BAHADOOR DARASHAW R. CHICHGUR.	MR. K. N. KABRAJI.
MR. NANU N. KOTHARE.	MR. D. E. WACHA.
MR. CHIMANLAL H. SETALWAD, B.A., LL.B.	THE HON'BLE MR. IBRAHIM RAHIMTOOLA.
PROFESSOR W. H. SHARP, M.A.	MR. JAMES MACDONALD.

The two senior members who retired, during the year under Section 39 (3) of the Bombay Municipal Act, were Mr. K. N. Kabraji and Khan Bahadoor Darashaw R. Chichgur. The Corporation elected Rao Bahadoor Dhakji Cassinathji in place of Mr. Kabraji, while Mr. Chichgur was re-appointed by Government.

Mr. Wacha having resigned, Mr. Sundernath D. Khote was appointed by the Corporation to succeed him as a member of the Committee; while Government appointed Principal MacMillan in place of Principal Sharp, resigned.

On the expiration of Mr. Nanu N. Kothare's term of office as Chairman, Mr. C. H. Setalwad was elected Chairman for the year 1902. A hearty vote of thanks was tendered to Mr. Kothare for the conspicuous success and ability with which he presided over the Committee's deliberations.

Finance.

The opening balance of the School Fund was Rs. 62,331, as against Rs. 64,639 for the preceding year. The total income amounted to Rs. 1,40,721, showing an increase of Rs. 1,748 over the total for 1900-1901, chiefly due to a larger amount realized from fees. The expenditure was Rs. 1,49,298, as against Rs. 1,41,281 for the previous year. The increase was principally on account of three new Schools opened during the year, higher rents paid for better accommodation, larger grants earned by Aided Schools, and promotion given to deserving teachers. A sum of Rs. 8,578 was appropriated from the balance to meet the excess of expenditure over income, and the year accordingly closed with a balance of Rs. 53,753.

The average cost per pupil was Rs. 17·4, as against Rs. 21·9 in 1900-1901, and was distributed as under :—

Teaching	Rs.	11·6
Rent	„	4·5
Miscellaneous	„	1·3
	Total Rs.	17·4

The reduction of Rs. 4·5 per pupil is due to the fact that while there was a considerable rise in attendance during the year, there was no corresponding increase of expenditure.

Municipal Schools.

There is usually a considerable decline in attendance, when the plague epidemic is at its highest in the cold season. But it is satisfactory to observe that during the year under report the attendance was fairly well maintained throughout, and the net result was an increase of 1,750 pupils, or 31 per cent. over the total for the previous year. An improvement has also been noted in progress, very few teachers being reported by the Inspectors as having done positively unsatisfactory work.

A Marathi School for boys was opened at Currey Road, in response to a petition from local residents, and the Committee are glad to observe that it has supplied a distinct want in the locality, having attracted a large number of pupils almost from its commencement. A new Urdoo School was opened in Parel, and is doing fairly well. Within the last five years the number of Urdoo Schools has risen from 4 to 19, and provision is made in the Budget for one more, which will bring the total up to 20. These schools have been opened in various parts of the town so as to bring elementary education within easy reach of the Mahomedans of Bombay. They include two Girls' Schools, which are very well attended and are making very satisfactory progress. It is gratifying to note that out of all the Urdoo Schools, the largest attendance is in the Nagpada Girls' School.

Koran reading has been introduced in the Urdoo Schools with due precautions against its interfering in any way with secular education. It is expected to draw a larger number of Mahomedan children to these schools, thus contributing indirectly towards the progress of education in the community.

The Marathi School for boys opened at Sion five years ago having proved a success, a girls' class was afterwards established in connection with it. With a gradual increase in the number of girls, the class eventually developed into a new independent school for which a separate house was hired during the year.

The Committee have also resolved, in compliance with an application made to them by some residents of Malabar Hill, to establish a girls' class under a female teacher in connection with the Valkeshwar Boys' School.

A summary of the total number of Municipal Schools, Marathi, Gujarati and Urdoo, together with the total attendance thereat for the past two years, is given below :—

Class of Schools.	Municipal.			
	1900-1901.		1901-1902.	
	Schools.	Pupils.	Schools.	Pupils.
MARATHI.				
Day Schools—				
Middle Schools ...	3	60	3	110
Primary for boys	30	2,044	31	2,739
Do. for girls	9	255	10	420
Total ...	42	2,359	44	3,269
Night Schools ...	...	...	...	...
Total of Marathi Schools ...	42	2,359	44	3,269
GUJARATI.				
Day Schools—				
Middle Schools ...	2	28	2	52
Primary for boys ...	13	1,310	13	1,738
Do. for girls ...	7	586	7	797
Total ...	22	1,924	22	2,587
Night Schools ...	...	...	...	...
Total of Gujarati Schools ...	22	1,924	22	2,587
URDOO.				
Day Schools—				
Middle Schools ...	...	...	...	...
Primary for boys ...	15	978	16	1,073
Do. for girls ...	2	181	2	272
Total ...	17	1,159	18	1,345
Night Schools ...	1	42	1	34
Total of Urdoo Schools ...	18	1,201	19	1,379
Grand Total of M., G. & U. Schools	82	5,484	85	7,235

It will be seen that the number of Municipal Schools has increased from 82 in 1900-1901 to 85 in the year under report; and the total attendance has risen from 5,484 to 7,235. Since the commencement of the plague there has not been such a marked increase in attendance.

The Committee have been maintaining three free schools for the education of the poor children of low-castes at Kamathipura, Dharavi and Market, respectively. The number in the Kamathipura School having increased considerably, it had to be provided with additional accommodation. The pupils include about two dozen girls.

Prizes and Scholarships.

Two out of four Middle School scholarships were won by Municipal Schools, namely, the Dongri and the Girgaum Marathi Schools. One of the Mary Carpenter scholarships, awarded by the National Indian Association, was carried off by a pupil of the Sorabji Shapurji Bengalee Girls' School. Two out of four candidates sent by the Vithalwady Marathi School for the Third Grade Public Service Examination were successful.

Trained Teachers.

The Committee have never relaxed in their endeavours to secure the services of trained teachers for their schools. They can be easily had for the Marathi Schools, and there is also a fair proportion in the Gujarati Schools. But the want of qualified teachers with a good knowledge of Urdoo is particularly felt in the Urdoo Schools, and the Committee are directing their efforts towards supplying it.

Physical Training.

The schools are getting better used to the physical training which has been systematically introduced since the last three years, and the teachers are gradually taking a more active and intelligent interest in it. In addition to dumbells and barbells, some of the big schools have been supplied with cricket apparatus. Following the example of Board Schools in London, fire drill is taught in a few large schools, in order that the boys may be able, in the event of a fire, to leave the premises without any disorder or confusion. The effect of physical exercise, wherever it is regularly practised, is to be noticed in the active, alert and cheerful manner of the children.

School Buildings.

Better premises and increased accommodation were provided for a large number of schools during the year. Arrangements have been made with landowners for the construction of commodious and sanitary buildings for the Sion Boys and Girls' Schools and the Lower Mahim School in accordance with the plans sanctioned by the Committee. The undermentioned schools were removed to more suitable premises :—

Girgaum Schpol	(Marathi)
Amerchandwadi Boys and Girls' Schools	(Do)
Sion Girls' School	(Do.)
Matoonga School	(Do.)
Dongri Boys and Girls' Schools	(Do.)
S. S. Bengalee Girls' School	(Gujarati)
Fort No. I School	(Do.)
Madanpura School	(Urdoo)

The following schools were provided with additional accommodation :—

Currey Road School	(Marathi)
Musjid Bunder School	(Gujarati)
Nagpada Girls' School	(Urdoo)
Kamathipura School	(Do.)

The Committee are glad to observe that the Lord Harris School Building is now in course of construction and will be ready for occupation in a few months.

Aided Schools.

With the addition of five more schools, the number registered for grant-in-aid has risen from 90 in 1900-1901 to 95 in 1901-1902, while the total number of pupils increased from 7,773 to 8,395.

The following school was registered under Chapter V of the Grant-in-aid Code :—

1. The Chandanwady Branch of the Fort and Proprietory Schools.

The following schools have been registered as indigenous under Chapter VI of the Code :—

1. American Mission School, Byculla.
2. Dongri Indigenous School.

The Dnyanottejak Society's School at Chinchpoogli was registered as a night school.

The following schools, originally registered under Chapter VI, were promoted to the rank of Aided Schools under Chapter V of the Code :—

1. American Mission School, Lalwady.
2. Haines Road School.

The total grant paid to these schools was Rs. 23,327, including a fixed payment of Rs. 5,000 to the Anjuman Schools. The total amount disbursed in the previous year was Rs. 20,927.

Most of the Night Schools aided by the Joint Schools Committee are under the management of the Bombay Prarthana Samaj and are doing fairly well. Such elementary education in English and Marathi as may be useful to the class of pupils attending the schools is given there. The total attendance at these schools rose from 135 to 201.

The following table shows the number of Aided Schools and pupils in 1901-1902, as contrasted with the totals for the preceding year:—

Class of Schools.	Aided.			
	1900-1901.		1901-1902.	
	Schools.	Pupils.	Schools.	Pupils.
MARATHI.				
Day Schools—				
Primary for boys ...	30	2,362	32	2,619
Do. for girls ...	19	1,594	19	1,467
Total ...	49	3,956	51	4,086
Night Schools ...	13	133	15	201
Total of Marathi Schools ...	62	4,089	66	4,287
GUJARATI.				
Day Schools—				
Primary for boys ...	15	2,184	16	2,555
Do. for girls ...	11	1,125	11	1,180
Total ...	26	3,309	27	3,735
Night Schools ...	...	...	...	...
Total of Gujarati Schools ...	26	3,309	27	3,735
URDOO.				
Day Schools—				
Primary for boys ...	2	375	2	373
Do. for girls ...	...	...	...	...
Total ...	2	375	2	373
Night Schools ...	...	...	...	...
Total of Urdoo Schools ...	2	375	2	373
Grand total of M., G. and U. Schools ...	90	7,773	95	8,395

Death of Teachers.

The Committee regret to record the death of 12 teachers and two School peons during the year. Of these as many as eight fell victims to plague. One of these was Mr. Ganpat Nagu, Head Master, Worli Koliwada School, who, himself a Koli by caste, took a very lively interest in the educational advancement of his community. Another teacher whose death is particularly regretted is Mr. V. V. Gokhale, Head Master, Ghodapdeo School, who combined intelligence and conscientiousness with long experience.

Retirement.

Mr. Pranjivandas Kahandas, Head Master, Bhuleshwar School, having completed his full term of service, retired during the year. He was much esteemed by teachers for his high character and capacity, and had distinguished himself by his zeal and intelligence as the head of the largest Municipal School in Bombay. To the Department he rendered very useful service extending over thirty-three years.

The classification of pupils according to their race is as under :—

Race.	1900-1901.			1901-1902.		
	Municipal.	Aided.	Total.	Municipal.	Aided.	Total.
Europeans and Eurasians	...	1	1	...	...	...
Portuguese and Native Christians	40	639	679	47	713	760
Jews	67	550	617	...	...	...
Parsis	255	2,075	2,330	257	2,296	2,553
Mahomedans	1,476	921	2,397	1,631	853	2,484
Hindus	3,593	3,585	7,178	4,870	4,115	8,985
Aboriginal and Hill tribes	49	...	49	...	...	...
Others...	4	2	6	430	418	848
Total ...	5,484	7,773	13,257	7,235	8,395	15,630

In compliance with Departmental instructions, no return is furnished by the Deputies this year of Jews and aborigines. The Jews are henceforward to be classified as "others," and the aborigines are to be merged in the column for "Hindus."

N. B. MASANI,
Secretary, Joint Schools Committee.

Appendix A.

Statement of Actual Income and Expenditure of "The School Fund" for the year 1901-1902.

	Receipts.	Amount. Rs. a. p.		Expenditure.	Amount. Rs. a. p.
1	Balance on the 1st of April 1901	62,331 0 3		A.—SCHOOLS.	
2	Government Grant to Primary Education and Inspection.	42,666 0 0	1	Head Masters and Teachers	73,152 15 3
3	Fees from Municipal Schools	17,531 7 0	2	Servants	2,136 3 0
4	Contribution from the General Municipal Fund	80,000 0 0	3	Rent	32,338 2 0
5	Government Grants-in-aid towards Buildings	.....	4	Cost of Class Books	486 14 0
6	Interest on Endowments or Investments	523 11 0	5	School Furniture	1,941 13 6
7	Miscellaneous	.....	6	Prizes	1,462 3 6
			7	Contingencies and Miscellaneous	4,201 4 6
			8	Scholarships in Schools...	279 0 0
			9	Stipends of Students under Training as Vernacular Teachers	1,097 8 9
			10	Inspectors' Establishment	8,746 4 10
			11	Grants-in-aid to Primary Schools	23,327 6 4
				B.—BUILDINGS.	
			1	Municipal Original Works	.....
			2	Repairs to Municipal School Houses...	133 7 6
				Balance on 31st March 1902	53,753 15 1
	Total Rupees ...	2,03,052 2 3		Total Rupees ...	2,03,052 2 3

N. B. MASANI,
Secretary, Joint Schools Committee.

THE JOINT SCHOOLS COMMITTEE'S OFFICE,
BOMBAY, 21*st May* 1902.

Appendix B.

Balance Sheet of "The School Fund" for the year 1901-1902.

	Liabilities.	Rs. a. p.		Assets.	Rs. a. p.
To	Deposit Account	204 14 1	By	Advance Account	214 8 0
„	Hurkisondas Brijlal Prize Fund—		„	Bank of Bombay Government Paper, Municipal Debentures, &c., Deposit Account	27,000 0 0
	Principal ... ... Rs. 500 0 0		„	Bank of Bombay Surplus Cash Government, &c., Paper Deposit Account	39,674 6 0
	Interest ... ... „ 30 6 3	530 6 3	„	Actual Cash Balance on 31st March 1902—	
„	Dr. Blaney Prize Fund—			In Bank of Bombay ... ... Rs. 19,211 0 10	
	Principal ... ... Rs. 1,000 0 0			In Office Treasury ... ... „ 0 10 10	
	Interest ... ... „ 74 2 8	1,074 2 8			19,211 11 8
„	Madhavdas Rugnathdas Prize Fund—				
	Principal ... ... Rs. 500 0 0				
	Interest ... ... „ 24 10 0	524 10 0			
„	S. S. Bengalee School Building Deposit Account—				
	Principal ... ... Rs. 25,000 0 0				
	Interest ... ... „ 2,973 1 5	27,973 1 5			
„	Interest on Investment of Surplus Cash Balance ...	2,039 8 2			
	Income and Expenditure Account— Balance on 31st March 1902	53,753 15 1			
	Total Rupees ...	86,100 9 8		Total Rupees ...	86,100 9 8

N. B. MASANI,
Secretary, Joint Schools Committee.

THE JOINT SCHOOLS COMMITTEE'S OFFICE,
BOMBAY, 21*st May* 1902.

Appendix C.

Examination Results of Middle Schools (Marathi) for 1901-1902.

CLASS OF SCHOOLS.	Number of separate schools examined.	Number of pupils examined.	STANDARD I.						STANDARD II.						STANDARD III.						STANDARD IV.					
			Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in				
				Arithmetic.	Vernacular.	History and Geography.	English.	Needle-work.		Arithmetic.	Vernacular.	History and Geography.	English.	Needle-work.		Arithmetic.	Vernacular.	History and Geography.	English.	Needle-work.		Arithmetic.	Vernacular.	History and Geography.	English.	Needle-work.
2nd Grade Schools—																										
Municipal	3	59	36	34	30	30	30	...	18	16	16	16	12	...	5	4	4	4	4	...	...	...	...	...	...	...
Aided	6	60	36	29	29	...	27	...	16	12	12	2	12	...	8	8	8	...	6	...	...	...	...	...	...	...
Total	9	119	72	63	59	30	57	...	34	28	28	18	24	...	13	12	12	4	10	...	...	...	...	...	...	...
Total of the previous year ...	9	120	83	47	38	22	45	...	25	22	14	10	16	...	11	10	9	6	9	...	1	1	1	...	1	...

Appendix D.

Examination Results of Primary Schools (Marathi) for 1901-1902.

CLASS OF SCHOOLS.	Number of separate schools examined.	Number of pupils examined.	STANDARD I.					STANDARD II.						STANDARD III.						STANDARD IV.						STANDARD V.						STANDARD VI.							
			Number of pupils examined.	Number of pupils passed in				Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in						
				Arithmetic.	Reading.	Writing.	Needle-work.		Arithmetic.	Reading.	Writing.	Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History & Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History & Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History & Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History & Geography.	Needle-work.	Sanitary Primer.
1.—BOYS—																																						
Municipal	31	3,095	602	556	561	557	..	585	501	488	520	527	..	416	352	343	361	342	..	265	239	216	254	225	..	53	49	44	53	48	..	..	..	..	..	..	..	..	..
Aided	40	2,785	504	338	391	408	14	453	320	303	281	291	36	365	269	231	262	252	31	239	169	126	175	140	13	33	17	12	16	15	..	...	..	..	..	..	..	..	..
Total ..	71	5,880	1,106	894	952	965	14	1,038	821	791	801	818	36	781	621	574	623	594	31	504	408	342	429	365	13	86	66	56	69	63	..	..	..	..	..	..	..	..	..
Total of the previous year ..	67	5,032	996	798	843	823	14	834	647	604	634	644	33	703	535	511	537	532	31	488	373	326	388	339	13	92	64	57	72	59	..	..	..	..	..	..	..	..	..
2.—GIRLS—																																						
Municipal	10	501	99	87	88	86	..	69	61	57	57	..	68	43	42	39	41	40	43	34	32	27	29	29	34	8	7	7	7	6	8	...	...	...	..	..	..	..	..
Aided	19	1,615	307	202	211	195	175	239	166	150	158	1	156	204	132	127	127	139	127	127	99	92	91	98	101	24	18	14	16	13	14	1	1	1	1	1	..	1	
Total ..	29	2,116	406	289	299	281	175	308	227	216	215	1	224	247	174	166	168	179	170	161	131	119	120	127	135	32	20	21	23	19	22	1	1	1	1	1	..	1	
Total of the previous year ..	28	1,998	379	222	250	227	149	296	206	191	182	..	184	219	149	143	142	160	149	158	115	102	112	106	118	25	16	17	20	17	15	7	1	1	1	1	1	1	
Grand Total ..	100	7,996	1,512	1,183	1,251	1,246	189	1,346	1,048	1,007	1,016	819	260	1,028	795	740	791	773	201	665	539	461	549	492	148	118	86	77	92	82	22	1	1	1	1	1	..	1	
Grand Total of the previous year.	95	7,030	1,375	1,070	1,093	1,050	163	1,130	853	795	816	644	217	922	684	654	679	692	180	646	488	428	500	445	131	117	80	74	92	76	15	7	1	1	1	1	1	..	

Appendix E.

Examination Results of the 2nd Grade Anglo-Gujarati Schools in Bombay for 1901-1902.

CLASS OF SCHOOLS.	No. of separate schools examined.	No. of pupils examined.	A.-V. STANDARD I.					A.-V. STANDARD II.					A.-V. STANDARD III.				
			Number of pupils examined.	Number of pupils passed in				Number of pupils examined.	Number of pupils passed in				Number of pupils examined.	Number of pupils passed in			
				1st Head.	2nd Head.	3rd Head.	4th Head.		1st Head.	2nd Head.	3rd Head.	4th Head.		1st Head.	2nd Head.	3rd Head.	4th Head.
Boys' Schools.																	
Municipal	2	50	50	42	39	30	45	...	...	...	...	...	...	...	...	...	...
Unaided	2	76	25	23	22	16	24	20	17	16	13	16	31	24	25	17	18
Total	4	126	75	65	61	46	69	20	17	16	13	16	31	24	25	17	18
Total of the previous year	4	98	47	43	42	30	42	20	17	16	13	16	31	24	25	17	18

Appendix F.

Examination Results of Primary Gujarati Schools in Bombay for the year 1901-1902.

CLASS OF SCHOOLS.	Number of separate schools examined.	Number of pupils examined.	STANDARD I.					STANDARD II.						STANDARD III.						STANDARD IV.						STANDARD V.						STANDARD VI.						
			Number of pupils examined.	Number of pupils passed in				Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					
				Arithmetic.	Reading.	Writing.	Needle-work.		Arithmetic.	Reading.	Writing.	Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History and Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History and Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History and Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History and Geography.	Needle-work.	Sanitary Primer.
1.—BOYS' SCHOOLS—																																					
Municipal	13	1,605	254	230	227	244	..	499	461	430	472	451	..	288	259	239	258	251	..	185	156	146	160	138	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Aided	16	2,093	437	340	374	343	44	494	376	399	376	363	47	377	306	316	321	268	34	262	215	230	238	202	27	38	26	32	36	27	13	..	..	..	..	..	..	..
Unaided	2	260	77	67	72	65	...	39	27	32	31	31	..	33	15	22	25	18	..	32	26	27	29	29	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	31	3,958	768	637	673	652	44	1,032	864	861	879	845	47	698	580	577	604	537	34	479	397	403	427	369	27	38	26	32	36	27	13	..	..	..	..	..	..	..
Total of the previous year ..	30	3,451	747	582	646	610	37	888	672	698	707	700	69	558	443	477	494	390	28	358	296	299	329	274	19	26	12	22	23	13	13	..	..	..	..	..	..	..
2.—GIRLS' SCHOOLS—																																					
Municipal	7	788	160	137	146	147	..	95	784	81	91	83	73	69	56	57	65	65	69	31	27	29	31	25	31	21	14	20	20	14	20	7	6	7	7	5	7	..
Aided	11	1,075	194	170	180	173	35	217	174	190	166	158	173	169	137	158	151	144	166	113	78	101	109	75	104	40	28	34	35	27	37	17	17	17	16	16	17	..
Total	18	1,863	354	307	326	320	35	312	252	271	257	241	246	238	193	215	216	209	225	144	105	130	140	100	135	61	42	54	55	41	57	24	23	24	23	21	24	..
Total of the previous year ..	13	1,671	306	267	265	256	64	283	228	256	234	239	245	212	165	189	195	179	199	167	113	141	146	118	151	61	39	48	50	38	50	18	16	18	17	17	18	..
Grand Total	49	5,821	1,122	944	999	972	79	1,344	1,116	1,132	1,136	1,086	293	936	773	892	824	746	259	623	502	533	567	469	162	99	68	76	91	68	70	24	23	24	23	21	24	..
Grand Total of the previous year ..	48	5,122	1,051	849	911	866	101	1,171	900	954	941	939	294	770	612	666	689	569	227	523	409	440	475	392	170	87	51	70	73	51	63	18	16	18	17	17	18	..

Appendix G

Examination Results of Primary Schools (Urdu) for 1901-1902.

Class of Schools.	Number of separate schools examined.	Number of pupils examined.	STANDARD I.				STANDARD II.					STANDARD III.					STANDARD IV.					STANDARD V.				
			Number of pupils examined.	NUMBER OF PUPILS PASSED IN			Number of pupils examined.	NUMBER OF PUPILS PASSED IN				Number of pupils examined.	NUMBER OF PUPILS PASSED IN				Number of pupils examined.	NUMBER OF PUPILS PASSED IN				Number of pupils examined.	NUMBER OF PUPILS PASSED IN			
				Arithmetic.	Reading.	Writing.		Arithmetic.	Reading.	Writing.	Geography.		Arithmetic.	Reading.	Writing.	Geography.		Arithmetic.	Reading.	Writing.	History & Geography.		Arithmetic.	Reading.	Writing.	History & Geography.
Boys' Schools	17	207	128	77	87	96	97	66	72	83	63	47	37	41	46	38	19	12	15	18	17	6	6	5	6	6
Girls' Schools	2	23	9	7	8	6	12	12	12	13	6	2	2	2	2	1	..	..	..	..	..	..	..	..	..	..
Total ..	19	230	137	84	95	102	109	78	84	96	69	49	39	43	48	39	19	12	15	18	17	6	6	5	6	6
Total of the previous year ..	18	260	155	94	111	117	68	45	51	60	53	44	36	38	43	34	16	14	15	16	14	6	6	5	6	6

ANNUAL REPORT

OF THE

MUNICIPAL AUDITORS,

1901-1902.

To

M. N. WADIA, Esq.,

Municipal Secretary,

BOMBAY.

SIR,

I have the honor to forward herewith my report on the Municipal accounts for the year 1901-02 in view to the same being printed and placed before the Corporation as usual.

I have the honor to be,
Sir,
Your most obedient servant,

A. THOMSON,
Municipal Auditor.

BOMBAY, *29th August* 1902.

REPORT OF THE AUDITORS OF MUNICIPAL ACCOUNTS FOR THE YEAR 1901-02.

No. 13232, dated 11th March 1901.

For the audit of the accounts of the year under review, the Corporation were pleased by their Resolution quoted at margin to appoint my late colleague, Mr. Dinanath Harichandra, and myself. The late Mr. Dinnanath, as the Corporation are aware, died on the 13th March last, *i. e.*, before the close of the year, and accordingly the duty devolves on me of submitting the usual report.

2. As usual all the vouchers and papers relating to both the receipts and disbursements for 1901-02 have been compared with the Day Books and Subsidiary Ledgers or compilations of charges, the General Ledger postings have also been checked with the Entries in the Day Books, and those in the Journal with the Subsidiary and General Ledgers.

3. The Bank's receipts of investments on account of Sinking Funds of the different loans, also of Municipal Buildings Fire Insurance, School Buildings, Worn Out Mains Renewal, and Premia, &c., funds as well as Securities from contractors in Government, Port Trust, and Municipal Bonds deposited with the Bank of Bombay and the pass books of the various Banks have been examined, and found to be correct and in order.

4. In accordance with the directions of the Corporation contained in their resolution passed on the 19th November 1888, which were conveyed to the Auditors under the Municipal Secretary's letter No. 5374, dated 30th Idem, all Sinking Fund investments pertaining to the year were examined, and it is certified that they have all been duly and properly made.

5. The weekly statements of receipts and charges of Municipal Funds were examined as they were prepared and prior to their publication in the *Government Gazette*.

6. In the review by the Standing Committee of the Administration Report of the Municipal Commissioner for the year 1900-01 (para. 53) the attention of the Auditors was invited to Corporation Resolution No. 2930, dated 15th June 1891, which required the verification annually by the Auditors of the securities furnished by Municipal employés. Previous Auditors do not appear to have placed on record in their annual reports whether this rule was observed by them or not, and consequently it has not been practicable for the present Auditors to carry out the required duty previously. In the current year however all securities furnished and on record in the Chief Accountant's Office have been examined with the policies or bonds as the case may be and the registers maintained in the Chief Accountant's Office, the course followed in which is to enter in the respective registers the name of each employé with his designation, the amount of security furnished, and the date of expiry of each policy, and when in any case a policy has expired and not renewed, a report is made to the Head of the department concerned. It was found that the present holders of certain appointments which have been made in recent years and which are not included in the various lists of employés and the amount of deposits to be obtained from each class of employé had not furnished any security ;—these cases have at my instance been referred to the Municipal Commissioner for orders.

7. The figures below given show the number of vouchers included in the year's accounts as compared with those of the previous year :—

		1900-1901	1901-1902
Receipt	Vouchers Nos.	25,093	25,160
Disbursement	„ „	109,685	83,208
		134,778	108,368

8. The total receipts of Municipal Revenue from all sources, as shown in Appendix 2 of the Chief Accountant's Report, including interest and profit on investments, amounted to

Rs. 84,02,848-4-2 in 1900-1901
against „ 77,66,729-9-3 in 1901-1902

being Rs. 6,36,118-10-11 less than in the previous year, the cause of which is given in the Chief Accountant's Report.

9. The total Disbursements from Municipal funds amounted to Rs. 82,26,457-13-2 against Rs. 85,84,058-7-4 in 1900-1901.

10. The opening cash balance on 1st April 1901, *vide* Appendix No. 8 of the Chief Accountant's Report, stood at Rs. 37,04,157-7-6, which sum plus the gross receipts of the year gives Rs. 1,14,70,887-0-9 against the gross disbursements of Rs. 82,26,457-13-2, leaving a closing balance of Rs. 32,44,429-3-7.

11. The following list shows the amounts sanctioned by the Municipal Commissioner to be paid out of Discretional Contingencies Grant during 1901-2.

LIST showing the amounts paid out of Discretional Contingencies Grant during 1901-1902 :—

Particulars.	Amount.	Total.
	Rs. a. p.	Rs. a. p.
1. Cost of arrangement for the presentation of the address to H. E. the Viceroy at the Town Hall		229 10 6
2. Cost of an Electric fan and accumulator for the Commissioner's Office ...	412 0 0	
3. Cost of renewing the cloth of the screens in the Commissioner's Office and of renewing keys of some of the locks in the Commissioner's room ...	43 2 6	
4. Hire of carriages engaged for the Commissioner and the members of the Corporation to visit Leper Asylum at Matunga	30 0 0	
5. Hire of carriages engaged for the Commissioner and the member of the Corporation to visit the Colaba Air Compressor Station	10 0 0	
6. Cost of one suit of clothing and belt supplied to the peon employed under the Municipal Medical Examiner	26 14 0	
		522 0 6
7. Cost of two Iron safes required for the Chief Accountant's Office	477 12 7	
8. Cost of a box fitted with a Chubb lock for putting in tenders	42 10 1	
9. Employment of one extra clerk in the Chief Accountant's Office to audit Expenditure on Road Repairs	474 6 4	
		994 13 0
10. Engaging the services of Mrs. Temple Wright to teach the malees how to weave bouquets	50 0 0	
11. Cost of restoring water connections and drainage fittings of Grant House.	246 2 1	
12. Repairing and painting 15 benches provided for the public at Apollo Bunder	138 3 9	
13. Travelling and Food allowances to Dr. Tata when he went to treat the sick labourers at Tansa	13 10 0	
14. Purchase of 180 copies of notes on the disposal of Sewage at Matunga ...	302 6 5	
15. Purchase of 100 copies of further notes on Sewage Disposal	100 0 0	
		850 6 5
16. Rent of land acquired for Beni Israel Community	225 14 7	
17. Purchase of books and periodicals for a library in the Health Department	143 0 0	
18. Cost of removing meters and restoring water supply to the Health Department properties in the City	56 4 9	
		425 3 4
		3,022 1 7
Deduct— Amount of telegram charges incurred in sending telegrams to Drs. Priestly and Turner for the appointment of Health Officer and debited to this head in 1900-1901, transferred to the Health Department and credited to this head in 1901-1902		138 0 0
Total Rs....	.....	2,884 1 7

12. The total expenditure on account of Plague incurred during the year under review amounted to Rs. 4,43,615-15-3. This sum plus the sum of Rs. 24,27,738-7-4 which has been carried to a Suspense Account head aggregates Rs. 28,71,354-6-7 subject to future adjustment.

Municipal officers Rs. 30,095-3-4
Plague officers „ 292-0-3
Rs. 30,387-3-7

13. The amount of permanent advances made to Municipal Officers to meet Contingent Expenditure, also the sums which have been carried to this head pending adjustment, amounted on 31st March 1902 to Rs. 30,387-3-7, against Rs. 47,017-4-1 on the same date in the previous year.

14. The value of stock on hand on the 31st March 1902, as ascertained from the accounts rendered to the Chief Accountant's Office, was as under :—

	1900-1901.	1901-1902.
	Rs. a. p.	Rs. a. p.
Executive Engineer	17,437 11 5	6,854 14 6
Drainage „	3,04,603 1 7	3,01,736 4 3
Water „	3,76,838 8 6	3,77,211 15 1
General Stock	20,196 9 2	21,882 12 3
Parel Stores, Plague	1,380 11 10	2,910 11 1
Total Rs....	7,20,456 10 6	7,10,596 9 2

15. The sums outstanding on the 31st March 1902 under the heads below mentioned were as follows :—

Departmental Works	Rs.	24,241	7	1
Private Works	„	93,028	11	5
Workshops	„	12,079	0	1
	Rs...	1,29,349	2	7

16. The amount debited to the Personal Account of Municipal Contractors on account of supplies made and services rendered to them amounted to Rs. 66,202-11-1.

17. *Scrutiny of Collections and of Outstanding Bills of Rates and Taxes for the year 1901-2 and of previous years.*

Collections.—During the year there were issued by the Assessor and Collector 93,029 net demand Assessment bills for Property and Wheel Tax of the value of Rs. 48,03,841-8-11, and 2,581 bills for Meter Hire for the same year of the value of Rs. 19,971-7-2.

The following figures give the particulars of the bills and collections :—

		Rs. a. p.	Rs. a. p.
92,117	bills for Property and Wheel Tax were issued for 1901-1902 of the value of	.....	47,37,594 3 3
2,581	bills for meter hire for 1901-1902	.....	19,971 7 2
856	bills for the year 1900-1901	62,572 8 6	
40	„ „ 1899 1900	2,651 9 10	
12	„ „ 1898-1899	632 1 10	
4	„ „ 1897-1898	391 1 6	
912			66,247 5 8
95,610	Total number of bills for 1901-1902	.....	48,23,810 0 1
	Add—Government and Port Trust Contributions	3,31,640 12 0	
	Outstandings on 31st March 1901	3,74,234 3 0	
			7,05,874 15 0
	Total amount to be collected in 1901-1902	.....	55,29,687 15 1
	Less—Collection made by the Assessor and Collector.	48,57,307 5 10	
	Paid by Government and Port Trust	3,31,640 12 0	
			51,88,948 1 10
			3,40,739 13 3
	Deduct—Amount of bills recalled, amended, and cancelled for all years from 1895-96 to 1900-1901		90,977 14 8
	Total outstanding on 31st March 1902		2,49,761 14 7

18. As Mr. Gupte, my present colleague, had no connection with the accounts for the year under review, I have alone signed the present report.

A. THOMSON,
Municipal Auditor.

BOMBAY, 29*th August* 1902.

To

M. N. WADIA, Esq.,
Municipal Secretary,
BOMBAY.

SIR,

In accordance with Section 137 of the Bombay Municipal Act of 1888, I have the honour to forward the accompanying three Appendices, marked A, B, and C, containing the result of the scrutiny of the outstanding bills of Rates and Taxes, which were in the hands of Ward Clerks and in the Office of the Assessor and Collector on the 31st March 1902.

These Appendices form part of the Annual Report on the Municipal Accounts for the year 1901-1902, now under preparation.

I have the honour to be,
Sir,
Your obedient Servant,

A. THOMSON,
Municipal Auditor.

BOMBAY, 30*th June* 1902.

Appendix A.

STATEMENT OF OUTSTANDING BILLS OF RATES AND TAXES in the hands of WARD CLERKS and in the Office of the ASSESSOR AND COLLECTOR on the 31st March 1902.

Ward.	No. of Bills.	Amount. On Value. General Tax.	Water Tax.	Halalkhor Tax.	Total.	Compounded or Special. Compound Water Service.	Special Halalkhor Service.	Water charged by meter.	Tax on vehicles and animals.	Meter hire.	Grand Total.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A	1,771	31,138 9 5	6,543 10 11	10,157 3 11	47,839 8 3	519 12 7	13,012 15 6	25,547 0 6	2,719 5 0	1,882 9 1	91,521 2 11
B	532	9,972 8 11	3,143 3 7	2,720 14 1	15,836 10 7	139 11 4	4,089 14 5	4,171 10 2	688 0 0	245 0 0	25,170 14 6
C	827	18,107 3 2	5,494 9 1	5,346 5 2	28,948 1 5	217 0 7	2,611 14 0	2,546 7 6	939 12 5	284 0 0	35,547 3 11
D	880	12,177 10 3	3,383 10 6	3,465 11 7	19,027 0 4	79 1 7	1,623 9 10	2,387 15 9	2,540 1 0	392 0 0	26,049 12 6
E	670	5,355 2 6	2,012 6 7	1,396 14 8	8,764 7 9	205 0 2	6,947 12 2	3,705 8 4	940 12 0	140 0 0	20,703 8 5
F	341	1,305 12 9	333 1 0	430 3 5	2,069 1 2	8 8 10	69 13 4	2,413 1 1	53 0 0	123 11 11	4,737 4 4
G	520	3,230 15 10	888 3 0	967 13 1	5,086 13 11	5 0 0	242 10 6	1,864 7 2	96 0 0	151 0 0	7,445 15 7
Total...	5,531	81,287 12 10	21,798 12 8	24,485 1 11	1,27,571 11 5	1,174 3 1	28,598 9 9	42,636 2 6	7,976 14 5	3,218 5 0	2,11,175 14 2

A. THOMSON,
Municipal Auditor.

BOMBAY, *30th June* 1902.

Appendix B.

STATEMENT OF OUTSTANDING BILLS OF RATES AND TAXES in arrears for the year 1900-1901 and previous years in the hands of the WARD CLERKS and in the Office of the ASSESSOR AND COLLECTOR on 31st March 1902.

Ward.	No. of Bills.	Amount. On Value. General Tax.	Water Tax.	Halalkhor Tax.	Total.	Compounded or Special. Compound Water Service.	Special Halalkhor Service.	Water charged by Meter.	Tax on Vehicles and Animals.	Grand Total.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
FOR THE YEAR 1900-1901.										
A	196	1,989 9 1	312 6 4	768 3 8	3,070 3 1	6 0 0	1,946 8 8	3,959 3 8	275 8 3	9,257 7 8
B	82	1,237 14 2	61 7 5	300 7 11	1,599 13 6	.....	2,613 6 2	.....	39 11 0	4,252 14 8
C	80	2,010 4 2	582 11 0	629 1 6	3,222 0 8	15 11 9	567 7 11	416 0 5	.....	4,219 4 9
D	107	1,067 0 5	245 1 4	311 6 6	1,623 8 3	12 0 0	150 8 4	682 0 10	257 0 0	2,725 1 5
E	205	1,335 6 4	487 13 2	310 10 11	2,133 14 5	5 0 0	4,519 12 1	888 9 0	91 0 0	7,638 3 6
F	33	1,601 9 11	23 0 3	384 15 11	2,009 10 1	2 0 0	.....	1,039 8 8	28 2 0	3,079 4 9
G	50	548 6 2	124 14 4	133 9 2	806 13 8	.....	.....	235 2 0	.....	1,041 15 8
Total...	753	9,790 2 3	1,837 5 10	2,838 7 7	14,465 15 8	38 11 9	9,797 11 2	7,220 8 7	691 5 3	32,214 4 5
1899-1900.										
A	30	165 1 2	34 5 9	26 2 9	225 9 8	.....	420 10 3	1,374 0 0	137 0 0	2,157 3 11
B	9	104 4 0	27 11 5	20 12 7	152 12 0	.....	.....	.....	.....	152 12 0
C	5	129 15 0	41 1 7	30 13 3	201 13 10	2 14 5	.....	.....	.....	204 12 3
D	14	87 2 7	11 3 2	36 9 8	134 15 5	.....	.....	.....	24 0 0	158 15 5
E	14	556 0 6	23 5 1	13 3 3	592 8 10	.....	.....	.....	39 0 0	631 8 10
F	3	800 0 0	13 0 0	192 0 0	1,005 0 0	.....	.....	.....	.....	1,005 0 0
G	5	150 8 4	19 11 7	36 3 9	206 7 8	.....	.....	.....	.....	206 7 8
Total...	80	1,992 15 7	170 6 7	355 13 3	2,519 3 5	2 14 5	420 10 3	1,374 0 0	200 0 0	4,516 12 1
1898-99.										
A	3	.....	.....	.....	.....	.....	145 7 4	.....	6 0 0	151 7 4
B	6	106 5 10	41 8 1	31 2 1	179 0 0	.....	.....	.....	.....	179 0 0
D	2	25 10 4	10 12 10	8 1 8	44 8 10	.....	.....	.....	.....	44 8 10
E	14	577 1 1	192 12 8	176 11 1	946 8 10	.....	.....	.....	8 0 0	954 8 10
Total...	25	709 1 3	245 1 7	215 14 10	1,170 1 8	.....	145 7 4	.....	14 0 0	1,329 9 0
Carried over...	858	12,492 3 1	2,252 14 0	3,410 3 8	18,155 4 9	41 10 2	10,363 12 9	8,594 8 7	905 5 3	38,060 9 6

Appendix B—*concluded.*

Ward.	No. of Bills.	Amount. On Value. General Tax.	Water Tax.	Halalkhor Tax.	Total.	Compounded or Special. Compound Water Service.	Special Halalkhor Service.	Water charged by Meter.	Tax on Vehicles and Animals.	Grand Total.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought over...	858	12,492 3 1	2,252 14 0	3,410 3 8	18,155 4 9	41 10 2	10,363 12 9	8,594 8 7	905 5 3	38,060 9 6
				1897-98.						
B	4	59 1 2	27 12 10	20 13 8	107 11 8	.....	.....	.....	.....	107 11 8
C	2	.....	.....	.....	.....	.....	.....	.....	11 14 0	11 14 0
D	4	.....	.....	6 0 0	6 0 0	.....	.....	.....	.....	6 0 0
E	3	20 3 1	9 8 1	7 2 1	36 13 3	.....	.....	.....	.....	36 13 3
Total...	13	79 4 3	37 4 11	33 15 9	150 8 11	.....	.....	.....	11 14 0	162 6 11
				1896-97.						
B	4	59 1 2	27 12 10	20 13 8	107 11 8	.....	.....	.....	.....	107 11 8
Total...	4	59 1 2	27 12 10	20 13 8	107 11 8	.....	.....	.....	.....	107 11 8
				1895-96.						
B	4	59 1 2	27 12 10	20 13 8	107 11 8	.....	.....	.....	.....	107 11 8
Total...	4	59 1 2	27 12 10	20 13 8	107 11 8	.....	.....	.....	.....	107 11 8
				1894-95.						
A	1	.....	.....	.....	.....	.....	.....	.....	10 7 3	10 7 3
B	4	59 1 2	27 12 10	20 13 8	107 11 8	.....	.....	.....	.....	107 11 8
Total...	5	59 1 2	27 12 10	20 13 8	107 11 8	.....	.....	.....	10 7 3	118 2 11
				1893-94.						
B	2	16 1 6	7 9 4	5 10 11	29 5 9	.....	.....	.....	.....	29 5 9
Total...	2	16 1 6	7 9 4	5 10 11	29 5 9	.....	.....	.....	.....	29 5 9
GRAND TOTAL...	886	12,764 12 4	2,381 2 9	3,512 7 4	18,658 6 5	41 10 2	10,363 12 9	8,594 8 7	927 10 6	38,586 0 5

A. THOMSON,
Municipal Auditor.

BOMBAY, 30*th June* 1902.

Appendix C.

SUMMARY OF APPENDICES **A** and **B.**

Years.	Appendix A. No. of Bills.	Appendix A. Amount.	Appendix B. No. of Bills.	Appendix B. Amount.	Grand Total No. of Bills.	Grand Total Amount.
		Rs. a. p.		Rs. a. p.		Rs. a. p.
1901-1902	5,531	2,11,175 14 2	.....	.....	5,531	2,11,175 14 2
1900-1901	.....	.....	753	32,214 4 5	753	32,214 4 5
1899-1900	.....	.....	80	4,516 12 1	80	4,516 12 1
1898-99	.....	.....	25	1,329 9 0	25	1,329 9 0
1897-98	.....	.....	13	162 6 11	13	162 6 11
1896-97	.....	.....	4	107 11 8	4	107 11 8
1895-96	.....	.....	4	107 11 8	4	107 11 8
1894-95	.....	.....	5	118 2 11	5	118 2 11
1893-94	.....	.....	2	29 5 9	2	29 5 9
Total ...	5,531	2,11,175 14 2	886	38,586 0 5	6,417	* 2,49,761 14 7

* Outstanding amount on the same date last year was Rs. 3,74,234-3-0.

A. THOMSON,
Municipal Auditor.

BOMBAY, 30*th June* 1902.

BOMBAY, 30*th June* 1902.

To

M. N. WADIA, ESQ.,
Municipal Secretary,
BOMBAY.

SIR,

I have the honour to forward herewith my report on the Accounts of the Joint Schools Committee for the year 1901-1902.

I have the honour to be,
Sir,
Your obedient Servant,

A. THOMSON,
Municipal Auditor.

REPORT ON THE ACCOUNTS OF THE JOINT SCHOOLS COMMITTEE.

In accordance with Bye-law No. 15 of the Joint Schools Committee, I beg to report that I have audited the accounts, and examined all the vouchers and papers relating to the receipts and disbursements of the School Fund in charge of the Joint Schools Committee from 1st April 1901 to 31st March 1902.

The opening balance of the Income and Expenditure Account on 1st April 1901 was Rs. 62,331-0-3.

The total receipts of the Joint Schools Committee for the year 1901-1902 amounted to Rs. 1,40,721-2-0, against Rs. 1,38,973-5-0 in 1900-1901, being Rs. 1,747-13-0 more than in the previous year.

The total expenditure incurred was Rs. 1,49,298-3-2, against Rs. 1,41,281-6-9, being Rs. 8,016-12-5 in excess of the previous year. The excess expenditure was due to opening of three new schools, promotion given to teachers, Grants-in-aid to Primary Schools and higher rents paid for better accommodation.

The credit balance of the Income and Expenditure Account on 31st March 1902 was Rs. 53,753-15-1, being Rs. 8,577-1-2 less than in the preceding year.

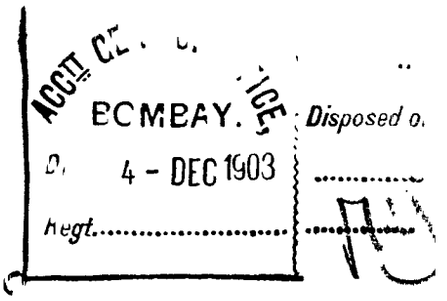
The funds at the disposal of or belonging to the Joint Schools Committee on 31st March 1902, were as under :—

		Rs.	a.	p.
Government, &c., paper with the Bank of Bombay on account of S. S. Bengalee School Building and various prize funds Deposits		27,000	0	0
Government, &c., paper with the Bank of Bombay on account of investment of Surplus Cash Balance (cost price of which is Rs. 39,674-6-0)		38,000	0	0
Cash Balance—				
In Bank of Bombay...	19,211 0 10			
In Office Treasury	0 10 10			
	19,211 11 8			
Total ... Rs.		84,211	11	8

The accounts have, as usual, been carefully kept.

A. THOMSON,
Municipal Auditor.

BOMBAY, 30*th June* 1902.



ADMINISTRATION REPORT

OF

THE MUNICIPAL COMMISSIONER

FOR THE

CITY OF BOMBAY

FOR THE YEAR 1902-1903.

Bombay:
PRINTED AT THE "TIMES OF INDIA" PRESS.

1903.

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Review by the Standing Committee of the Administration Report of the Municipal Commissioner for the City of Bombay for the year 1902-03.

Corporation and Standing Committee.

The office of President of the Corporation was held during the year by Mr. Mulji Bhavanidas Barbhaya, and that of Chairman of the Standing Committee by Mr. James Macdonald. The former body held 80 meetings during the year, and the latter 57. Of Committees of the Corporation there were 130 meetings and of Sub-Committees of the Standing Committee 38 meetings. The above figures, making a total of 305, when compared with the figures of former years, indicate a very large growth of Municipal work.

2. During the year the Corporation had to mourn the loss by death of a distinguished member, Mr. Rahimtula Mahomed Sayani, M.A., LL.B.

3. On Saturday, the 27th December 1902, their Royal Highnesses the Duke and Duchess of Connaught landed at the Apollo Bunder on their arrival in India to be present at the Coronation Durbar in Delhi, and the Corporation had the honour of presenting them with an Address of Welcome.

Commissioner.

4. Mr. W. D. Sheppard, I.C.S., officiated as Municipal Commissioner till 2nd August 1902, when the permanent Commissioner, Mr. W. L. Harvey, C.I.E., I.C.S., returned from leave and resumed charge of his duties.

Financial.

5. Sufficient surplus balances being still available, taxation was maintained at the same reduced rates as noticed in last year's review (excepting that the Town Duty on Ghee was reduced from annas 10 per maund to annas 8 per maund). A deficit of Rs. 4,70,511 had, in consequence, to be budgetted for. The working cash balance at the opening of the year was Rs. 25,33,832. The income of the year aggregated Rs. 81,75,688, and the expenditure Rs. 84,53,398. With a reduction of Rs. 16,442 in the value assigned to the Municipal stores in stock, the closing balance stood at Rs. 22,72,565. Thus the actual deficit was only Rs. 2,61,267.

6. The income of the year was larger than that of the previous year by Rs. 4,08,958, of which Rs. 3,57,222 was derived from Town Duties notwithstanding the reduction of the duty on Ghee above noticed, Rs. 30,265 from Wheel Tax and Tolls, Rs. 10,988 from General Tax, Rs. 11,027 from Tobacco Duty, and smaller sums under various other heads. The principal decrease is one of Rs. 33,144 under Water Tax and other Water Works Revenue. After eliminating all fortuitous increases in revenue, the Chief Accountant estimates that the permanent addition during the year under review to the income of the Municipality may safely be placed at one lakh of rupees.

7. The expenditure of the year of report was also larger than the expenditure of the year previous by Rs. 2,26,940, the excess being chiefly due to payment of arrears of Police Charges amounting to Rs. 96,443, to an increase of Rs. 54,786 in Debt Charges and of Rs. 18,997 in Public Works Expenditure (including

new works), to a contribution larger by Rs. 19,000 paid to the City Improvement Trust, and to a contribution of Rs. 25,000 paid for the Coronation celebrations in Bombay. The Chief Accountant estimates the permanent addition to the recurring expenditure of the Municipality at a little over a lakh and a half of rupees.

8. The total capital debt of the Municipality, which at the beginning of the year stood at Rs. 4,60,17,059, increased during the year to Rs. 4,71,55,760, a new loan of Rs. 12 lakhs having been raised and the amount paid in reduction of debt being only about Rs. 62,000. The Sinking Fund invested up to 31st March 1903 being Rs. 41,22,789, the net debt liability remained at Rs. 4,30,32,971.

9. The total expenditure on Loan Works (excluding Plague expenses) aggregated Rs. 5,47,412, showing a decrease over the previous year of Rs. 1,58,847 which accrued almost entirely on Drainage Works.

10. On Plague operations a net sum of Rs. 2,31,391 was spent in the year against Rs. 4,43,616 in 1901-02, the saving being effected by the Department being placed under the Health Officer and worked to a great extent by the Health Department. Since the advent of Plague the total sum spent in dealing with it and booked in the Municipal Accounts comes to Rs. 60,61,248, of which only Rs. 17,58,502 were so far contributed by Government.

Assessment and Collection of Taxes.

11. The General Tax was levied for the year at 10 per cent., *i.e.*, 2 per cent. below the maximum permitted by law, and the additional tax for the Fire Brigade at ½ per cent., *i.e.*, ¼ per cent. below the maximum. 54,633 properties classified as "Buildings," "Saltpans" and "Lands, including Tanks and Wells" were on the Assessment Book on 31st March 1903, against 54,176 on the corresponding date of the previous year. Of these only 41,613 properties were assessed for the General Tax; 4,930 properties were exempted as being occupied for public worship or for charitable purposes (Section 143 (1) (*a*) of the Municipal Act); and 8,090 more were not charged the tax, being small plots of waste lands and buildings marked "unfit for human habitation" by the House Improvement Department under the Epidemic Diseases Act. The rateable assessment on the properties assessed came to Rs. 2,68,15,493 against Rs. 2,61,13,160 in 1901-02, when only 41,131 properties were assessed, the increase being due to rectification of under-assessments (for taking action in regard to which the Commissioner is entitled to the best thanks of the Committee), rise in rents, erection of new buildings and enlargement of existing buildings. 918 new buildings were erected against 753 demolished, and 391 buildings were enlarged. The total amount collected for General Tax inclusive of the previous year's outstandings was Rs. 27,10,559 against Rs. 26,99,571 in 1901-02, when the rate of the tax was the same.

12. The Water Tax levied at 4 per cent. on rateable value amounted to Rs. 6,41,304 against Rs. 6,37,998 in the previous year when the tax was the same. The total Water Works Revenue collected was Rs. 15,13,976, inclusive of Meter Hire and other Miscellaneous Receipts against Rs. 15,47,120 in the previous year, the slight decrease being due to differences in the rates for compounded charges and charges by meter measurement.

13. The Halalkhore Tax levied at 3 per cent. amounted to Rs. 6,22,651 in the year of report against Rs. 5,87,227 in the year previous. The amount levied for Special Halalkhore Services fell from Rs. 1,99,227 in 1901-02 to Rs. 1,56,166 in the year of report, as the Special Tax previously levied on chawls and similar premises was discontinued in deference to the wishes of the Standing Committee. The total collection under this head was Rs. 7,95,984 against Rs. 7,88,438 in the previous year.

14. The total revenue collected from the tax on vehicles and animals was Rs. 3,62,994 against Rs. 3,31,129 in the previous year. Of this sum Rs. 1,77,379 (against Rs. 1,76,092 in 1901-02) was received in respect of private vehicles and animals, of which 6,345 and 6,759, respectively, were taxed, the former including two motor cars and 1,305 cycles. From Public Land Conveyances Rs. 1,85,615 were realized against Rs. 1,55,036 in the previous year. The tolls collected in the year on vehicles entering the City from Salsette amounted to Rs. 8,018 against Rs. 9,617 in the previous year.

15. 49 appeals against the demands of the Department were made to the Chief Judge of the Court of Small Causes, being nearly three times as many as in the previous year. 42 of these were against rateable value, 2 against Halalkhore Tax, 2 against Water Tax, 1 against Meter Hire and 2 against Wheel Tax. Only 1 out of these 49 appeals was allowed, 2 were withdrawn by the appellants, 6 were dismissed, 36 were settled, 2 were postponed pending disposal of references made by the Chief Judge of the Small Causes Court to the High Court, and 2 were still pending at the close of the year.

Town Duties.

16. Rs. 23,13,893 were collected from Town Duties in the year and refund certificates to the extent of Rs. 11,53,478 were passed. But the refund actually paid up to 31st March 1903 only came to Rs. 11,13,678, so that a net revenue of Rs. 12,19,346 was realized against Rs. 8,62,123 in the previous year. The commodity on which the largest amount was collected was Sugar, large importations of German and Austrian sugars having been made with a view to escape the countervailing duties which were about to be imposed by the Government of India.

Public Works.

17. The new works constructed or in progress in the General Branch of the Executive Engineer's Department were mostly of a minor character and do not call for special notice.

18. In the Special Drainage Branch considerable progress was made with the Fergusson Road and Chinchpokli Sectional Sewerage Works and the Parel Sectional Sewerage Works and several storm-water drains, side-drains, and catch-pits were constructed. With regard to the works to be constructed for the sub-soil and surface drainage of the lower parts of the City, it was noticed in last year's review that to meet objections raised by the Port Trust the alignment of the principal channel had to be altered. Objections were made by the Trust even to the altered channel, but these were shown not to be well founded, and in the end the sanction of Government was obtained to the new outfall at Worli. The acquisition of properties is now proceeding, and it is proposed to commence the work immediately after the present rains.

19. In the Ordinary Drainage Branch the street portions of house-drainage connections were carried out for 530 houses at a cost of Rs. 29,190 ; several latrines and urinals were erected in different parts of the Town for public use ; and other drainage and sanitary works were constructed.

Water-Supply.

20. The Municipal Lakes at Vehar, Tansa and Tulsi and the Subsidiary Reservoirs at Bhandarwada and Malabar Hill were maintained in a state of efficiency. The rainfall at Tansa was 89·87 inches and at Tulsi 93·19 inches, and both these lakes were replenished to the extent of overflowing. Not so Vehar Lake, where only 72·92 inches of rain fell and which has not overflowed since 1898.

The Water Engineer's Report makes no mention of Pawai Lake, which is still lying useless. The total number of water-connections increased from 20,552 in the previous year to 20,683 in the year of report. Among these the metered connections were only 3,202 or less than $\frac{1}{6}$th of the whole.

Streets and Buildings.

21. 2,480 applications were received during the year for permission to build or re-build houses. These were in excess of those of the previous year by 261. All but 38 of them were passed with or without modifications. The amount available for street improvement in the year was Rs. 1,42,132, out of which Rs. 82,189 were actually paid during the year and a large amount of liability remained to be met. 3,036 square yards of land of the value of Rs. 67,962 was added to streets.

Roads and Footpaths.

22. The Municipal roads, footpaths and bridges were repaired, maintained and watered during the year at an expenditure of over four lakhs of rupees. As an experiment a portion of Esplanade Road, Fort, was treated with crude petroleum oil, and the result is described by the Executive Engineer as "eminently satisfactory, both as regards total absence of the dust nuisance and the general improvement of the road which was thereby rendered clean and even."

Lighting.

23. The number of gas lamps maintained was 4,005 and the number of kerosene oil lamps 1,775. The former cost Rs. 2,32,862 and the latter Rs. 31,215. The Electric Light Installation for the Crawford Market and the Municipal Offices was worked at a total cost for the year of Rs. 9,883.

Workshops.

24. The Municipal Workshops turned out, during the year, work of the value of Rs. 1,25,066 at a profit of Rs. 14,859.

Fire Brigade.

25. During the year the Brigade had to turn out to 76 alarms, of which 7 proved to be false. 46 fires, at which property of the estimated value of Rs. 6,00,583 was destroyed, were extinguished by the Brigade, and 23 before the Brigade could arrive. The value of property saved from destruction by the Brigade in the year of report is estimated by the Chief of the Brigade at Rs. 30,56,805, but how this estimate is arrived at is not explained.

Public Gardens and Museum.

26. The nine Municipal Gardens were maintained in good condition for a total expenditure of Rs. 55,818. The increasing popularity of the Victoria Gardens is indicated by the large number of people (nearly 18 lakhs) who visited them during the year, the number being larger than in the previous year by over four lakhs. The Victoria and Albert Museum was visited by over 8 lakhs of people or about a lakh and a half more than in 1901-02. The cost of maintaining the museum was Rs. 7,644.

Public Health Department.

27. The Health Officer's report is for the calendar year 1902, and its statistics are based on the population of the City as shown by the Census of 1901, which counted a total population of 776,006 against 821,764 enumerated in 1891.

28. There was a marked improvement in the number of births registered. The total was 17,599, which gives a rate of 22·67 per mille, and is more by 4,079 than in the previous year, for which the rate was 17·42 per mille. It is also

more than the average of the preceding five years by 6,209. It is clear therefore that the Health Officer's energetic efforts for the improvement of birth registration have achieved some measure of success.

29. A check in the steadily growing mortality was noticed with gratification in reviewing the report for 1901. In 1902 there was further improvement in this respect, the number of deaths having fallen from 59,495 to 48,414 and the death rate from 76·66 to 62·38. In fact the year's mortality was lower than the registered mortality of each of the Plague years except 1897,* in which year, however, there was a very extensive emigration of the population. The largest mortality was from Plague, against which 13,820 deaths were registered against 18,736 in 1901, 4,518 deaths were put down to fevers against 7,921 in the previous year. It was again noted that the fever mortality rose and fell with the mortality from Plague. From phthisis 3,957 deaths were recorded against 6,516 in 1901. Of all the large native communities the Jains show the highest death rate (137·14 per mille) and the Parsees the lowest (30·41 per mille). The European death rate was 21·99. Among the 3,258 persons registered in the Census as Eurasians; the death rate was 34·37. Very nearly a fifth of the year's mortality was among children under one year of age, of whom 9,553 died, a most noticeable fact, considering that the Census of 1901 gives the population in Bombay of infants under one year of age at only 9,930.

30. In addition to the three existing charitable Municipal dispensaries, seven more such dispensaries were opened in the year. All the ten dispensaries did excellent work. The total attendances were 287,189 and the total number of individuals treated 78,778. In the Municipal Infectious Diseases Hospital at Arthur Road admissions were restricted in the year of report to all infectious diseases other than Plague. The demand on the hospital was therefore less than during any year subsequent to the outbreak of Plague. The admissions numbered 995 only against 1,624 in 1901. For Plague the Maratha and Modikhana Hospitals were maintained. Here also there was a decline in admissions owing to the cessation of all coercive measures for Plague.

31. In addition to the ordinary work of his Department the Health Officer had on his hands in the year of report the entire control of the Plague administration, and he notes with justifiable satisfaction that the year 1902 was a unique one in the history of the Plague epidemic of Bombay, inasmuch as with a full population, and all Plague measures voluntary, and Cholera, Small-pox and Measles to some extent prevalent, both the total mortality and the number of Plague attacks were the lowest since 1897.

License Department.

32. This Department issued during the year of report 6,488 licenses for dangerous and offensive Trades, which brought in a revenue of Rs. 72,028. Both the number of Licenses and the amount of Revenue are larger than in any previous year, although, as the Superintendent states, the Department "never looks to increasing revenue at the expense of the public health."

Markets.

33. The total revenue from Markets and Slaughter Houses was Rs. 4,39,561 against Rs. 4,22,981 in the preceding year. Of this sum Rs. 1,01,985 were contributed by the Crawford Markets alone in rents and squatters' fees.

Education.

34. The number of Municipal Primary Schools under the Joint Schools Committee increased from 85 in 1901-02 to 86 in the year of report, but the number of pupils decreased from 7,235 to 7,123. The aided schools increased from 95 to

* The death rate of this year was 58·28.

97 and their pupils from 8,395 to 8,615. A Lady Inspector of Schools was appointed during the year. The Committee's expenditure for the year of report aggregated Rs. 1,55,680, of which Rs. 80,000 were contributed by the Municipality and Rs. 42,666 by Government (inclusive of Rs. 3,000 for Inspectorial Staff), the remainder being met from fees and other sources.

Conclusion.

35. In conclusion the Standing Committee are glad to be able to again congratulate the Commissioner on the satisfactory results of his administration.

ACCACIO G. VIEGAS,
Chairman of the Standing Committee.

BOMBAY, 16*th September* 1903.

Annual Administration Report of the Municipal Commissioner for the City of Bombay for the year 1902-1903.

Introductory.

Mr. W. D. Sheppard, I.C.S., continued to hold the appointment of the Municipal Commissioner till 2nd August 1902, on which date Mr. W. L. Harvey, C.I.E., I.C.S., returned from furlough and took charge of the office of the Municipal Commissioner. He continued to hold the appointment till the end of the year.

2. The general health of the City was not satisfactory, chiefly owing to Plague.

3. No circumstances arose in any Department of the Municipality in which it was necessary to put into operation the provisions of the Municipal Servants' Act.

I.—Corporation and Standing Committee.

CORPORATION.

4. Mr. Mulji Bhavanidas Barbhaya was appointed President of the Corporation at the Meeting of the 14th April 1902, and held that appointment throughout the year.

5. Eighty Meetings of the Corporation, one attendance for the presentation of an Address of Welcome to their Royal Highnesses the Duke and Duchess of Connaught on their arrival in India, to be present at the Coronation Durbar in Delhi, and one hundred and thirty Meetings of Committees of the Corporation other than the Standing Committee were held. Eighteen other Committee Meetings were convened, but could not be held.

6. The changes that took place during the year in the *personnel* of the Corporation were as follows :—

Mr. Rahimtoola Mahomed Sayani, M.A., LL.B., died on the 4th June 1902, and in his place Mr. Sassoon J. David was appointed by Government on the 7th July 1902.

Mr. F. T. Hutchinson resigned his seat on the 9th January 1903, and in his place Mr. H. V. R. Kemball was appointed by Government on the 24th February 1903.

Lieut.-Col. C. B. Mayne resigned his seat on the 5th December 1902, and in his place Capt. R. E. Money-Shewan, R.E., was appointed by Government on the 13th December 1902.

7. The following Councillors were absent from the Corporation for the periods shown below for reasons approved by the Corporation under Section 17 (*b*) of the Municipal Act :—

Name.	Period.
Mr. T. W. Cuffe	from 1st May to 10th November 1902.
Khan Bahadur Darasha R. Chichgur	„ 16th June to 3rd November 1902.
Mr. H. G. Gell	„ 1st December 1902 to 28th February 1903.
Mr. H. R. Greaves	„ 1st September to 17th November 1902.
Sir Jamsetji Jejeebhoy, Bart.	„ 5th May to 17th November 1902.
Mr. Karmali Pirbhai Haji	„ 1st March 1903 (for four months).
Mr. K. M. Shroff	„ 1st February 1903 (for three months).
Mr. G. Lund	„ 22nd May to 27th October 1902.
Mr. A. Mackenzie	„ 1st May to 11th December 1902.

THE STANDING COMMITTEE.

8. Mr. James MacDonald was appointed Chairman of the Standing Committee at the Meeting held on the 2nd April 1902, and held that appointment throughout the year.

9. There were fifty-two regular Meetings and five Special Meetings of the Standing Committee and thirty-eight Meetings of Sub-Committees thereof; nineteen other Sub-Committee Meetings were convened, but could not be held.

10. There were one hundred and sixteen attendances of members for signing cheques and fifty-one for the audit of Municipal Accounts.

11. Mr. T. W. Cuffe resigned his seat on the 23rd May 1902, and in his place Lieut.-Col. H. P. Dimmock, M.D., was appointed by Government on the 9th June 1902.

12. The following is the list of the Municipal Councillors who held office on the 31st March 1903 :—

MR. MULJI BHOWANIDAS BARBHAYA, J. P. *G—President.*

ABDUL HUSSEIN ADAMJI PIRBHAI, MR., J. P. *R.* (C Ward)
AITKEN, E. H., MR., B.A., *G.*
ARDASIR FRAMJI UNWALLA, MR., B.A., J. P. *R* (G Ward)
BAPTISTA, JOSEPH, MR., B.A., LL.B. (Cantab.), L.C.E. (Bombay) *R* (E Ward).
BHAGWANDAS NAROTAMDAS, MR., J. P. *J.*
BHAISHANKAR NANABHAI, MR., J. P., *J.*
BHALCHANDRA K. BHATAWADEKAR, THE HON'BLE SIR, KT., L. M., J. P. *R* (D Ward)
BYRAMJEE NUSSERWANJEE SEERVAI, MR., J. P. *G.*
CHIMANLAL H. SETALWAD, MR., B.A., LL.B. J. P. *U.*
COWASJEE HORMUSJEE, MR., G.G.M.C., J. P. *J.*
CUFFE, T. W., MR., J. P. *C C*
DAJI ABAJI KHARE, THE HON. MR., B.A., LL.B., J. P. *J*
DARASHAH RATANJI CHICHGUR, KHAN BAHADUR, J. P. *J*
DAVID, SASSOON J., MR., J. P. *G.*
D'MONTE, DOMINICK A., MR., M.D., L.R.C.P. (London), L. M. & S., M.R.C.S., L.M. F.S.A., F.R.G.S., M.R.A.S., J. P. *J*
DHAKJI KASHINATHJI, RAO BAHADUR, J. P. *R* (C Ward)
DIMMOCK, H. P., LIEUT.-COL., M.D. (Durham), M.R.C.S., L.R.C.P., L.M.S., J. P. *G*
DINSHA BOMANJI MASTER, MR., L.M. & S., J. P. *J.*
DINSHAW EDULJI WACHA, MR. J. P., *R* (A Ward)
EKNATH RAGHUNATH KHOTE, MR., J. P. *J*
ELAPPA BALARAM, RAO BAHADUR, J. P. *R* (E Ward)
FAZALBHAI JUMABHAI LALJI, MR., *R* (B Ward)
FAZALBHAI KARIMBHAI IBRAHIM, MR., *R* (B Ward)
FAZULBHAI VISRAM, MR., C.I.E., J. P. *G*
GELL, H. G., MR., J. P. *G*
GREAVES, HERBERT R., MR., J. P. *C C*
HARI SITARAM DIKSHIT, THE HON'BLE MR., B.A., LL.B., *R* (D Ward)
HASAMBHAI VISRAM, MR., J. P. *J*
HORMUSJI SHAPURJI VAKIL, MR., J. P. *R* (C Ward)
HURKISONDAS NAROTUMDAS, MR., J.P. *G*
HUSEIN S. KHALIL, MR., BAR.-AT-LAW, *R* (C Ward)
IBRAHIM RAHIMTOOLA, THE HON'BLE MR., J. P. *J*
JAFARBHAI RAHIMTULA, MR., B.A., BAR.-AT-LAW., J. P. *R* (B Ward)
JAGMOHANDAS VARJIVANDAS, MR., J. P., *R* (C Ward)
JAMSETJI CURSETJEE JAMSETJI, MR., J. P. *J*
JAMSETJEE JEJEEBHOY, SIR BART., J. P. *G*
JAMSHEDJI ARDASIR WADIA, MR., J. P. *J*
JEHANGIR BOMANJI PETIT, MR., *R* (D Ward)
JEHANGIR J. KHARSETJI, MR., M.D., *R* (C Ward)
KAIKHOSRO NOWROJI KABRAJI, MR., J. P. *G*
KALIANDAS KESHAVDAS, MR., B.A., J. P. *R* (A Ward)
KARAMALI PIRBHAI HAJI, MR., *R* (B Ward)
KARIMBHAI ADAMJI PIRBHAI, MR., *R* (G Ward)
KAVASJI EDALJI DADACHANJI, MR., L.M. & S. *R* (D Ward)
K. M. SHROFF, MR., J. P. *R* (A Ward)
KAZI KABIRUDIN KAZI MOULVI BAKIR, MR., BAR.-AT-LAW, J. P., *R* (E Ward)
KEMBALL, H. V. R., MR., J. P. *G*
KHARSEDJI NASARWANJI WADYA, MR., *R* (F Ward)
LUND, G., MR., J. P. *G*
MACDONALD, JAMES, MR., J. P. *G* (Chairman, Standing Committee).
MAHOMEDBHAI KARIMBHAI IBRAHIM, MR., J. P. *R* (F Ward)
MANMOHANDAS RAMJI, MR., J. P. *R.* (C Ward)
MCKENZIE, A., MR., J. P. *G*
MIR AUN ALI, MR., BAR.-AT-LAW, J. P. *J*
MONEY-SHEWAN, R. E., CAPT., R.E. *G.*
NADIRSHAW HORMUSJI EDULJI SUKHIA, MR., L.M. & S., L.V. SC., Mem. Sany. Inst. (London), *R* (A Ward)
NANABHAI NAVROSJI KATRAK, MR., L. M. & S., J. P. *R* (A Ward)
NOWROJI JEHANGIR GAMADIA, MR., J. P. *R* (A Ward)
PHEROZESHAH M. MEHTA, THE HON'BLE MR., M.A., C.I.E., J. P. *J*
RAHIMTULLA KHAIRAZ, MR., J. P. *R* (B Ward)
REBSCH, S., MR., M. INST. C. E., J. P. *G*
RASTAM K. R. KAMA, MR., B.A., LL.B. *U*
RUSTOMJEE BYRAMJEE JEEJEEBHOY, MR., J. P. *J*
SARAFALI MAMOOJI, MR., *R* (B Ward)
SORABJI KHARSETJI DHONDI, MR., *R* (E Ward)
SUNDERNATH D. KHOTE, MR., J. P. *R* (D Ward)
UNDERWOOD, CHARLES H. FREEMAN, MR., M.A., M.D., L.R.C.P. (Ireland), J. P. *J*
VIEGAS, ACCACIO GABRIEL, MR., L.M. & S., J. P. *R* (B Ward)
VITHALDAS DAMODAR, MR., J. P. *R* (C Ward)
VITHALRAO KRISHNAJI VANDEKAR, RAO BAHADUR, J. P. *R* (B Ward)
HAJI YOOSOF HAJI ESMAIL, MR., J. P *R* (E Ward)

NOTE.—The letters against the names signify—*R*, that the member was elected by the Rate-payers; *J*, by the Bench of Justices; *C C*, by the Chamber of Commerce; *U*, by the University; and *G*, appointed by Government.

II.—Heads of Departments.

13. Khan Bahadur M. C. Murzban, C.I.E., Executive Engineer, was on privilege leave from 2nd May to 29th June 1902, during which period Mr. C. C. James, M.I.C.E., acted for him.

14. Mr. C. C. James, M.I.C.E., Deputy Executive Engineer, Drainage, Special Branch, was allowed 39 days' privilege leave, from 15th December 1902 to 22nd January 1903, during which period the Special Drainage Branch was under the direct control of the Executive Engineer, and its duties were conducted by him.

15. Dr. C. H. Cayley, Divisional Health Officer, No. 1 Division, was on privilege leave for 1 month, from 20th October to 19th November 1902, during which period Dr. J. A. Turner, Executive Health Officer, and the late Mr. J. Leask, Divisional Health Officer, No. 2 Division, looked after the work of No. 1 Division.

16. Mr. J. Leask, Divisional Health Officer, No. 2 Division, died on 25th December 1902, and from that date up to the abolition of the Division on 28th February 1903 the work of that Division was conducted by Drs. Cayley and Venis, Divisional Health Officers, Nos. 1 and 3 Divisions, respectively.

17. Dr. W. Venis, Divisional Health Officer, No. 3 Division, was on privilege leave for 34 days from 18th December 1902 to 21st January 1903, during which period his duties were attended to by Dr. Sorab C. Hormusji, Divisional Health Officer, No. 4 Division.

18. Dr. Sorab C. Hormusji, Divisional Health Officer, No. 4 Division, was on privilege leave for 3 months from 19th May 1902 to 16th August 1902, during which period Dr. E. S. Winter was appointed to act for him.

19. Mr. W. E. Waite, Chief Accountant, was on privilege leave for 6 weeks from 8th September to 18th October 1902, during which period Mr. Maneckshaw Cawashah Taleyarkhan, Deputy Accountant, acted for him.

20. Mr. R. P. Brunton, Assessor and Collector, was on privilege leave from 8th May 1902 to 31st May 1902, during which time Mr. Behramji Dorabji Banaji, 1st Assistant Assessor, was put in charge of the Assessment Department.

21. Mr. W. Pearson, Revenue and Refund Audit Officer, went on 2 years' furlough from 25th September 1902, and Mr. R. N. Coyaji, Town Duty Refund Examiner, was appointed to act for him up to 19th November 1902, and from 20th November 1902 Mr. Sorabji Bomonji Master has been acting for him.

22. Mr. Sorabji Bomonji Master, Superintendent of Licenses, was appointed to act as Revenue and Refund Audit Officer from 20th November 1902, and Dr. Kavasji Byramji Shroff, L.M. & S., D.P.H., has been acting for him.

23. Mr. W. Nicholls, Chief Officer, Fire Brigade, was on furlough for 10 months from 19th April 1902, during which time Mr. W. J. Beane acted for him.

24. Dr. D. MacDonald, Secretary and Curator, Victoria and Albert Museum, retired on pension on 16th April 1902, and from that date Mr. R. M. Dixon, Office Assistant, was appointed sub *pro tem.* Secretary and Curator.

25. Mr. C. D. Mahaluxmiwalla, Superintendent of Municipal Gardens, was on privilege leave for three months from 20th October 1902 to 19th January 1903, during which time Mr. J. M. Doctor, Assistant Superintendent, Zoological Collections, acted for him.

26. Mr. H. Holmes, Assistant to the Municipal Commissioner, was on furlough up to 31st May 1902, during which time Mr. Anandrao Wamon Shete continued to act for him. Mr. Holmes again went on 6 months' sick leave from 13th August 1902 and retired on pension on the 10th February 1903. Mr. Anandrao Wamon Shete, who was acting for Mr. Holmes, was confirmed as Assistant to the Municipal Commissioner on 11th February 1903.

III.—FINANCIAL.

I.—General.

27. The year opened with a working cash balance of Rs. 25,33,832. The revenue for the year amounted to Rs. 81,75,688 against an expenditure of Rs. 84,53,398, the deficit of Rs. 2,77,710 thus caused being met from the surplus revenue balances. The year closed with a workable cash balance of Rs. 22,72,565.

28. The closing cash balance of Rs. 22,72,565 includes advances aggregating Rs. 4,52,808 made for administrative purposes, Rs. 7,07,652 to be renewed in 1903-04 on account of lapsed grants for 1902-03 and previous years, and Rs. 3,70,967 on account of deposits and other liabilities to be discharged. The unhypothecated balance at the close of the year, therefore, amounted to Rs. 7,41,139.

29. The surplus cash balance at the close of the year as brought out in Appendix No. 6 to the Chief Accountant's Report amounts to Rs. 14,64,914, which it is satisfactory to note shews an advance of Rs. 4,08,914 on our latest estimate.

30. Out of the above balance, however, certain amounts aggregating Rs. 8,53,213 already hypothecated for different purposes have to be deducted, which reduces the balance to Rs. 6,11,701 only as shewn in para. 29 of the Chief Accountant's Report.

II.—Income.

31. The income realized during the year, *viz.*, Rs. 81,75,688 was better than the original estimate by Rs. 3,43,688 and the revised estimate by Rs. 2,45,688. Of this increase more than one-third was contributed by Town Duties, the balance being principally derived from the Property Taxes, Wheel Tax, Tobacco Duty, Miscellaneous Receipts and Interest on Investments. It is gratifying to observe that there were increases in almost all the items of revenue.

32. During the year the same taxes and duties were levied as in the previous year, with the exception of the duty on ghee, which was reduced from annas 10 to annas 8 per maund. The incidence of taxation per head of population is slightly in excess of that in 1901-02.

33. As compared with the actual receipts in the preceding year, the income realized during the year under review shews a satisfactory increase of Rs. 4,08,958, of which Rs. 3,57,222 was due to large unexpected receipts from Town Duties. It will be seen from para. 17 of the Chief Accountant's Report that the permanent addition during the year to the income of the Municipality can be placed at practically a lakh of Rupees.

III.—Expenditure.

34. The finally sanctioned grants for expenditure during the year aggregated Rs. 93,39,097 against which the booked expenditure amounted to Rs. 84,53,398, leaving an unexpended balance of Rs. 8,85,699. From the latter amount, however, the sum of Rs. 7,07,652 have to be renewed in 1903-04, leaving a net saving of Rs. 1,78,047. This large saving appeared principally under Public Works (Engineer's Department), Public Health Department and New Works,

35. As compared with the previous year, the expenditure for the year under review shews an increase of Rs. 2,26,940 ; the main items which contributed to this large increase are (1) payment and adjustment of arrear Police charges Rs. 96,444, (2) a larger contribution paid to the City Improvement Trust Rs. 19,000, (3) a contribution of Rs. 25,000 made by the Corporation towards the celebration of the Coronation Festivities in Bombay, (4) increased Debt charges Rs. 54,786, and (5) increased expenditure under Public Works Rs. 45,877. Out of the above increased expenditure the Chief Accountant places the permanent increase at Rs. 1,61,400. It will thus be observed that the estimated permanent increase in expenditure exceeds the estimated permanent increase in income by over half a lakh of rupees.

36. The increase of Rs. 1,07,220 in the amount of lapsed grants requiring renewal in 1903-04 over similar grants renewed during the year under report is almost nominal, as the full grant for interest charges on the different Municipal Loans was not provided in the Budget for 1901-02.

IV.—Loan and Plague Expenditure.

37. The expenditure on Loan Works during the year (excluding that on plague operations) aggregated Rs. 5,47,412 or Rs. 1,58,847 less than that in the previous year. The decrease appears entirely under Sewerage Works.

38. On plague measures the Municipality expended during the year Rs. 2,31,391 or Rs. 2,12,225 less than in the previous year. It is satisfactory to note that a reduction of over a lakh of rupees was made on Establishment and that a sensible reduction was also made in almost every other direction. The aggregate expenditure on plague measures up to the close of the year under report totalled Rs. 57,52,746.

39. The expenditure during the year on Health Camps and Discretional Relief, which was met from the grants placed at my disposal by Government, amounted to Rs. 13,957 and Rs. 3,750, respectively.

40. The total expenditure incurred on plague measures in the city from the commencement of the operations to the close of the year under report, including the outlay on Health Camps and Discretional Relief, has reached the enormous sum of Rs. 60,61,248, of which Rs. 17,58,503 were met from the Government grants, Rs. 20 lakhs from the loan raised by the Municipality and the balance of Rs. 23,02,745 by a temporary advance from Loan Funds.

V.—Debt and Sinking Fund.

41. During the year Rs. 12 lakhs were raised by the Municipality from the public (Rs. 8 lakhs being the balance of the Rs. 20 lakhs Plague loan and Rs. 4 lakhs being the third instalment of the 24¾ lakhs loan), the average rate realized for the former loan being Rs. 95-5-1. 65 per cent., and for the latter Rs. 98-12-11. 66 per cent. The total discount on these loans amounted to Rs. 42,167, which with the advertisement, stamp, &c., charges paid in connection with the loans was met from the Premia Fund, thus reducing that Fund from Rs. 82,812 in the beginning of the year to Rs. 37,996 at the close of the year.

42. The payments made by the Municipality during the year towards the reduction of debt amounted to Rs. 61,299. There was thus a net addition of Rs. 11,38,701 to the Capital Debt of the Municipality, which was increased from Rs. 4,60,17,060 to Rs. 4,71,55,761. Against this debt the total Sinking Fund

invested up to the close of the year under report amounted to Rs. 41,22,789 including Rs. 5,48,928 invested during the year. Taking this invested fund as a set off against the gross debt owing by this Municipality, the net liability can be taken at Rs. 4,30,32,972.

VI.—Assets and Liabilities.

43. The assets and liabilities of the Municipality at the close of the year as compared with the preceding year stand as follows:—

	At the close of 1901-1902. Rs.	At the close of 1902-1903. Rs.		Increase. Rs.
Assets	6,19,35,551	6,46,91,355		27,55,804
Liabilities	4,65,83,035	4,95,86,135		30,03,100
Excess of Assets over Liabilities... ...	1,53,52,516	1,51,05,220	Decrease	2,47,296

44. The Assets are composed of (1) cash balance and investments Rs. 90,79,574, (2) advances recoverable Rs. 2,14,849, (3) reserve stock Rs. 6,94,154, (4) landed and other properties Rs. 5,28,63,670, and (5) land transferred to the City Improvement Trust Rs. 18,39,108.

45. Of the liabilities, Rs. 4,71,55,761 represent the Capital Debt, Rs. 5,18,249, deposits lodged by contractors and others, Rs. 73,017 undischarged liabilities and other items, and Rs. 18,39,108 the book value of the land transferred to the City Improvement Trust.

46. The increase under Assets is explained partly by the adjustment in the Municipal books of the debt due by the City Improvement Trust on account of land at Agripada, &c., transferred to them under Bombay Act IV of 1898 and partly by the expenditure incurred on sewerage, &c., works during the year and the additions made to the Sinking and other invested Funds. The increase under liabilities is accounted for chiefly by the augmentation of the Municipal Debt consequent on the raising of the new loans and by the adjustment of the book value of the land at Agripada, &c., referred to above.

47. As regards the revaluation of Municipal Properties, it will be seen from para. 38 of the Chief Accountant's Report that under the existing circumstances, the task of remodelling the Municipal Assets is impracticable for the reasons stated by him, with which the Commissioner fully agrees.

VII.—Special.

48. During the year a special officer was appointed by the Corporation to overhaul the Stores and Store accounts, and the suggestions made by this officer having been adopted by the Corporation on 23rd March 1903, the necessary adjustments will have to be made in the accounts for 1903-04. In this connection attention is invited to the remarks made in para. 41 of the Chief Accountant's Report.

49. The Water Works Income and Expenditure shews a deficit of Rs. 1,50,979, which was met from the current revenues of the Municipality. The loss in the previous year was Rs. 82,251.

50. In para. 43 of the Chief Accountant's Report he has shewn that the receipts from Fire Tax from the year it was first levied to the close of the year under review have yielded a net surplus of Rs. 1,01,789.

51. As required in the Standing Committee's Resolution No. 12212, dated 2nd February 1892, the net revenue and net expenditure for 1902-1903 and the preceding year are given in the following statement :—

Particulars.	1901-1902. Rs. a. p.	1902-1903. Rs. a. p.
Net Revenue after deducting Refunds, Draw-backs and Charges in respect of Assessment and Collection and granting of Refunds.		
General Tax	24,79,966 4 1	24,93,188 5 8
Fire Tax	1,760 15 8	15,054 11 1
Wheel Tax and Tolls	3,32,430 1 4	3,56,577 12 8
Town Duties	7,64,227 4 0	11,27,027 5 7
Receipts from Government for Liquor Licenses and Tobacco Duty	3,76,814 9 7	3,87,841 10 1
Market Receipts	2,77,540 6 5	2,92,694 13 3
Returns from other Property and Miscellaneous	2,42,265 9 5	2,04,598 15 1
Net Receipts ... Rs.	44,75,005 2 6	48,76,983 9 5
Deficit ... Rs.	**4,59,728 3 11**	**2,77,710 0 5**
Total ... Rs.	49,34,733 6 5	51,54,693 9 10
Net Expenditure after deducting Receipts.		
General Superintendence	1,86,096 2 9	1,89,503 2 2
Public Gardens	47,493 15 7	48,193 11 1
Public Works (Engineer's Department, excluding Water Works)	11,86,967 5 6	12,41,750 2 9
Water Works	82,251 7 10	1,50,978 12 2
New Works (excluding Water Works)	94,677 0 5	69,355 3 3
Public Health Department (excluding Markets)	9,98,015 11 7	9,82,241 15 8
Municipal Debt (excluding Water Works)	11,15,618 4 9	10,82,543 4 0
Police	5,00,021 14 0	5,97,504 1 3
Education	1,12,513 1 11	1,10,473 12 1
Hospitals	57,000 0 0	56,290 8 9
Pensions, Gratuities, and Compassionate Allowances	36,821 15 6	46,093 1 11
Miscellaneous	36,256 6 7	79,759 14 9
Contribution to the City Improvement Trust	4,81,000 0 0	5,00,000 0 0
Net Expenditure ... Rs.	49,34,733 6 5	51,54,693 9 10

52. The revenue, expenditure and balances of the last five years have been contrasted in the following table :—

	1898-1899. Rs.	1899-1900. Rs.	1900-1901. Rs.	1901-1902. Rs.	1902-1903. Rs.
Revenue	(a) 71,61,911	(e) 88,29,817	(h) 84,02,848	(k) 77,66,780	(n) 81,75,688
Expenditure	(b) 73,39,026	73,92,479	(i) 85,84,058	(l) 82,26,458	(o) 84,53,398
Closing balance (including recoverable advances to Loan Works, Reserve Stock, &c., and excluding minor deposits, &c.)	(c) 24,48,030	(f) 38,85,368	(j) 37,04,157	(m) 32,44,429	(q) 29,66,719
Add—Recoverable Revenue Outstanding	1,00,000	1,68,000	3,56,000	2,28,000	1,75,000
	25,48,030	40,53,368	40,60,157	34,72,429	31,41,719
Deduct—Uncompleted works, &c., the unexpended balances of the grants for which were required for payment in the following year	(d) 7,49,471	(g) 9,34,073	8,16,939	6,00,431	(p) 7,07,652
Net workable balance available for requirements of the following year	(c) 17,98,559	(f) 31,19,295	(j) 32,43,218	(m) 28,71,998	(q) 24,34,067

(a) In this year the General Tax was increased from 8½ to 9½ per cent. and the Town Duties on Grain, Firewood and Ghee were increased from annas two per candy, anna one per candy, and annas eight per maund to annas four per candy, annas two per candy and annas ten per maund, respectively.

(b) Includes a debit of Rs. 8,12,546-4-8 on account of the write-off of the net amount advanced for the purchase of frontage lands in the Agripada, &c., Estate and a credit of Rs. 5 lakhs on account of rebate of Plague expenses debited to Revenue in 1897-98.

(c) Excluding Rs. 8,75,554 on account of the value of Reserve Stock on hand on 31st March 1899, the net closing balance amounted to Rs. 15,72,476 and Rs. 9,23,005.

(d) Excluding Rs. 7,00,000, being a portion of the unexpended balance of the grant on account of compensation for insanitary buildings demolished, which was subsequently treated as a saving.

(e) In this year the General Tax was raised from 9½ to 12½ per cent. and the duty on grain was increased from 4 annas to 6 annas per candy. The amount of Rs. 88,29,817 included an abnormally high revenue from Town Duties amounting to about Rs. 2 lakhs and a quarter.

(*For further notes see next page.*)

IV.—Assessment and Collection of Revenue.

53. The total amount collected under all heads, exclusive of Miscellaneous Receipts, was Rs. 51,64,459 against the estimate of Rs. 50,43,025. The amount of Miscellaneous Receipts aggregated Rs. 26,018-4-3 against Rs. 27,316-4-9 during 1901-02.

54. The number of properties in the Assessment Book on the 31st March 1903 was 54,633 against 54,176 for the preceding year.

55. Complaints against the Assessment numbered 2,951.

56. There were 49 appeals to the Chief Judge of the Small Causes Court, of which 1 was allowed, 2 were withdrawn by the appellants, 6 were dismissed, 36 were settled, and 4 were pending at the close of the year.

REVENUE AUDIT.

57. The books and balances of the Ward Clerks in the 7 Ward Offices were duly examined at the end of each quarter, and the bills checked in detail after comparison with the Head Office accounts. The Assessment Books in the Head Office were also examined with a view to ascertain that no taxation of property had been evaded. The revenue from public land conveyances was also audited, and certificates of issue of licenses were duly checked with the register. The number of claims for 1/5 drawback aggregated 16,937, of which 13,041 were admitted. 8,269 entries relating to alteration in valuation and in demand were checked. The number of complaints against valuations under Section 163 of the Municipal Act heard by the Revenue and Refund Audit Officer aggregated 933 against 684 for the previous year, and the number of decisions on complaints against amendments under Section 167 scrutinized amounted to 361.

58. The revenue receipts and vouchers of the different Departments checked are as follows :—

	Number of Vouchers.	Amount. Rs.	a.	p.
Engineering Department	8,280	38,600	4	6
Health Department	25,629	73,660	13	5
Licensing Department	6,518	71,983	0	0
Markets and Slaughter-Houses	12,171	4,39,561	10	2
Victoria Gardens	17,327	10,356	6	3

59. The number of claims to refund for vacancy under Sections 174 to 179 of the Act, and on account of over-collections scrutinized and sanctioned, aggregated 1,525, representing Rs. 30,187-10-2.

(*f*) Excluding Rs. 8,33,634 on account of the value of Reserve Stock in hand on 31st March 1900, the net closing balance amounted to Rs. 30,51,734 and Rs. 22,85,661, respectively.

(*g*) Excluding Rs. 17,838 on account of certain lapsed grants not renewed in 1900-1901.

(*h*) The outstandings of rates and taxes at the close of the year amounted to Rs. 3,74,234 against Rs. 1,81,562 in the preceding year.

(*i*) Includes Rs. 4,74,605 on account of the first contribution paid to the City Improvement Trust and increased expenditure under Municipal Debt, Public Health and Engineer's Departments, &c., and grain compensation to Municipal employés.

(*j*) Excluding Rs. 7,20,457 on account of the value of Reserve Stock on hand on 31st March 1901, the net closing balances amounted to Rs. 29,33,700 and Rs. 25,22,761, respectively.

(*k*) In this year the General Tax was reduced from 12½ to 10½ per cent. and the duties on grain and firewood from annas 6 and annas 2 per candy, respectively, to annas 4 and anna 1 per candy.

(*l*) In this year the levy of water charges on Municipal Buildings except those actually let was discontinued under legal advice and the grain compensation to Municipal employés was stopped.

(*m*) Excluding the value of Reserve Stock on hand on 31st March 1902, the net closing balances amounted to Rs. 25,33,833 and Rs. 21,61,461, respectively.

(*n*) Includes an abnormal revenue from Town Duties. In this year the duty on Ghee was reduced from annas ten to annas eight per maund.

(*o*) Includes arrears of Police charges, contribution towards the celebrations of the Coronation Festivities in Bombay, larger contribution paid to the City Improvement Trust, and other items.

(*p*) Includes full outstanding interest charges on the Municipal Loans, while the amount renewed in the previous year was short by one lakh owing to a smaller provision made in the budget.

(*q*) Excluding Rs. 6,94,154 on account of the value of Reserve Stock on 31st March 1903, as per books, the closing balances amounted to Rs. 22,72,565 and Rs 17,39,913, respectively.

TOWN DUTIES.

60. The total collections for the year amounted to Rs. 23,13,893-14-9 against Rs. 21,89,404-3-6 in the past year. Out of this the amount refunded was Rs. 11,53,478-3-0, showing the net revenue of Rs. 11,60,415-11-9 against Rs. 10,82,246-15-6 for the preceding year.

61. The number of refund claims dealt with was 44,633 against 47,083 for the past year.

V.—Public Works.

DRAINAGE.

62. The machinery at the Colaba Compressor Station and the several Ejector Stations worked satisfactorily during the year.

63. The engines and pumps at the Love Grove Pumping Station worked satisfactorily during the 1st half of the year. In the month of October, however, it was discovered that the efficiency of the pumps had fallen considerably and that they were not capable of keeping down the sewage in the main sewer to the usual level. Steps were immediately taken to set the matter right. The average daily consumption of coal was 13 tons 4 cwts. 2 qrs. and 19 lbs. against 12 tons 12 cwts. and 6 lbs. in the preceding year.

64. The street portions of house-drainage connections carried out departmentally numbered 530 at a cost of Rs. 29,190-8-5.

65. Several latrines and urinals have been constructed at different places to meet the public convenience.

66. Works in connection with the sanitary arrangements of the various Health Camps, Observation Camps and Plague Hospitals were carried out by the Drainage Department, Ordinary Branch.

67. Several works executed by the Drainage Department, Special and Ordinary Branches, have been detailed in the Executive Engineer's report.

WATER WORKS.

68. *Tansa Lake.*—The rainfall for 1902 was 89·87 inches against 96·15 inches for 1901. The total quantity of water received in the lake was 34,531 millions of gallons or 50·4 per cent. of the rainfall on the catchment area of 52·5 square miles.

69. *Vehar Lake.*—The rainfall for the year 1902 was 72·92 inches against 75·58 inches during the preceding year. The total quantity of rain which fell on the whole of the drainage area of 3,900 acres was about 6,483 millions of gallons, of which about 5,335 millions of gallons or about 83 per cent. of the total rainfall reached the lake. There were 4 bursts on the 32″-main between Curry Road and Matunga, and 2 bursts north of the Coorla Station.

70. *Tulsi Lake.*—The rainfall for 1902 was 93·19 inches against 93·62 inches for 1901. The total quantity of rainfall on the whole drainage area of 1,700 acres was 3,623 millions of gallons, of which about 1,810 millions of gallons reached the lake—this is about 50 per cent. of the total rainfall. There was 1 burst near Marole in the Tulsi 24″-main.

71. *Supply and Distribution.*—One 9″-main has been laid as an additional supply main in the DeLisle Road from its junction with Carrol Road and a

4"-main, about 1,200 feet in length, has been laid in the Wodehouse Bridge Road. There were 116 bursts in various mains, of which 42 were caused by the operations of the Drainage Contractors. 405 new connections were made, and 274 connections were cut off for various reasons. The total number of connections at the end of the year was 20,683, and the number of meters in use was 3,202.

REGULATIONS OF STREETS AND BUILDINGS.

72. The number of applications for permission to either build or rebuild houses, &c., aggregated 2,480 or 261 more than in the preceding year. 318 notices were issued for the removal of unsafe, dangerous or ruinous buildings, which were all complied with either partly or wholly. Notwithstanding this, 16 buildings or parts of buildings which did not attract the notice of the Engineering Department collapsed. In 14 cases no injury was done to life, but in 2 cases 4 persons were killed and 3 injured. 3,036·2 square yards of ground at a cost of Rs. 67,962-7-5 have been added to streets.

ROADS.

73. The area of roads metalled during the year was 9,460,234 square feet at a cost of Rs. 2,60,799-0-11, the rate for metalling working out at 5·29 pies per square foot. The total quantity of road metal purchased was 1,426,241 cubic feet at a cost of Rs. 75,150-5-7.

74. 628 trees with tree guards have been provided along different roads in the City.

75. A portion of Esplanade Road from the National Bank to Messrs. Treacher & Company's premises was treated with crude petroleum oil as an experiment, and the results proved satisfactory.

PUBLIC LIGHTING.

76. The total number of gas lamps in the City at the end of the year was 4,005, and the total number of kerosine oil lamps was 1,775. The total cost of gas lighting amounted to Rs. 2,32,862-9-5, and the total net cost of kerosine lighting to Rs. 31,214-15-9. The total cost of lighting by electricity the Crawford Markets and the Municipal Offices amounted Rs. 9,882-15-1.

WORKSHOPS.

77. The Municipal Workshops kept in repair numerous articles of plant and machinery used by different Departments, and a large number of new works were executed there. The suit filed by Government for the recovery of the ground occupied by the Workshops and Health Department Stables had not come on for hearing at the close of the year.

78. The total cost of working the hydraulic lift amounted to Rs. 1,528-3-11.

INSPECTION, IMPROVEMENT AND DEMOLITION OF INSANITARY BUILDINGS UNDER THE EPIDEMIC DISEASES ACT.

79. 469 houses were inspected, of which 431 houses were found more or less in need of improvement, and the remaining were found incapable of improvement and fit for demolition. 171 houses and sheds were demolished. 307 notices were issued requiring the house owners to improve their buildings. The overcrowding in houses has been abated in 239 cases.

FIRE BRIGADE.

80. The Fire Brigade was maintained in a state of efficiency. The estimated damage to property by fires amounted to Rs. 6,17,834, and it is satisfactory to record that none of the members of the Brigade received injuries in the execution of their duties. The water-supply on the whole was satisfactory.

There were 87 calls of fire, of which 7 proved false alarms.

PUBLIC GARDENS.

The following gardens were maintained during the year :—

Victoria Gardens.	Falkland Road Garden.
Elphinstone Circle Garden.	Dick's Tank Garden.
Northbrook Garden.	Municipal Office Garden.
Malabar Hill Garden.	Sir Cowasji Jehangir Garden.
Bazar Gate Garden.	

81. The number of visitors to the Victoria Gardens increased from 1,370,223 to 1,786,764, showing an increase of 416,541. This is due to the increasing popularity of the gardens on account of the additions to the zoological collections and other improvements.

82. A large monkey house with a covered central passage for visitors and four commodious cages on each side has been constructed, and self-closing doors have been fitted to the cages of the tigers and panthers.

83. The interest evinced by the visitors in the elephant rides has not abated. 6,673 adults and 4,167 children patronized the rides.

84. The receipts from the sale of plants and flowers have been very satisfactory, being the largest since 1892-93, the amount being Rs. 10,356.

VICTORIA AND ALBERT MUSEUM.

85. Numerous additions were made to various sections of the Museum, and the usual care was bestowed upon the preparation and preservation of the specimens in the different sections.

86. The Museum was open to the public during 313 days of the year. The total number of visitors was 815,936, giving a daily average attendance of a little over 2,606. The daily average for the preceding year was 2,136.

VI.—Public Health.

87. The state of the public health during the year was better than in the preceding year, the number of deaths, exclusive of still-born, being 48,414 against 59,495 for the previous year. There were 13,820 deaths from plague against 18,736 during 1901.

88. The number of births registered during the year was 17,599, being 4,079 more than in the past year.

89. Seven more dispensaries were opened in the crowded parts of the City, thus the total number of Municipal Dispensaries at the end of the year was 10. At these dispensaries 78,778 patients were treated.

90. One prosecution was instituted in connection with the adulteration of ghee in which conviction was obtained.

91. The water-supply was analysed by Dr. Cayley chemically and bacteriologically every month during the year.

92. On an average 7,011 men and women and 1,248 scavenging and drain carts and 193·81 night-soil and cess-pool carts were at work each day during the year. 349,925·50 tons of garbage, equal to 958·51 tons a day, were collected and removed and disposed of against 354,853 tons of garbage in 1901. 178,881 tons of night-soil and cess-pool matter, equal to 490 tons a day, were collected and removed against 179,022 tons in 1901. 77·60 miles of covered drains were opened and cleaned against 131·54 miles in 1901.

LICENSES.

93. The license fee receipts were Rs. 72,028 against Rs. 67,516 during the preceding year, the number of licenses issued being 6,538 against 6,154.

MARKETS.

94. The total revenue from Markets and Slaughter-houses was Rs. 4,39,561-10-2 against Rs. 4,22,981-9-5 in the preceding year.

95. The quantity of unwholesome food, mostly consisting of meat and fish, destroyed was 103,247 lbs. against 68,868 lbs. destroyed last year.

VII.—Education.

96. The Government grant was Rs. 42,666 as in the previous years, the Municipal contribution being Rs. 80,000.

97. The number of Municipal Schools at the close of the year was 86 with 7,123 pupils against 85 with 7,235 pupils for the preceding year, a new Urdu School having been opened at Foras Road.

98. The light physical training system has continued to give satisfactory results.

99. The number of aided schools was 97 with 8,615 pupils against 95 with 8,395 pupils during the preceding year. The total amount of grant-in-aid paid was Rs. 24,111 against Rs. 23,327 awarded in 1901-02.

W. L. HARVEY,
Municipal Commissioner for the City of Bombay.

CHIEF ACCOUNTANT'S REPORT

FOR 1902–1903.

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FINANCIAL.

REPORT of Mr. W. E. WAITE, Chief Accountant, for the financial year 1902-03, as forwarded with his No. 3362, dated 18th July 1903.

I have the honor to submit my Annual Report on the Accounts of this Municipality for the financial year ending 31st March 1903. Though its date of submission is much in advance of previous years, the report has been delayed by over three weeks in consequence of some of the documents required from the Heads of Departments not having been received till well on in June, instead of by the date fixed, *viz.*, the 15th May.

GENERAL RESULTS.

Income and Expenditure.

2. The income for the year aggregated Rs. 81,75,688-1-3 against an expenditure of Rs. 84,53,398-1-8, the resulting deficit being Rs. 2,77,710-0-5 as shown in Appendix No. 1. The deficit anticipated while framing the Budget estimates for the year amounted to Rs. 4,70,511, while the deficit in the preceding year worked out to Rs. 4,59,728-3-11. The deficit for the year under review was met from the available surplus revenue balances.

As compared with the original budget estimate of Rs. 78,32,000, the income shows an increase of Rs. 3,43,688-1-3 and on the revised estimate of Rs. 79,30,000, there is an increase of Rs. 2,45,688-1-3.

The expenditure for the year, *viz.*, Rs. 84,53,398-1-8, shows an increase of Rs. 1,50,887-1-8 over the original budget estimate of Rs. 83,02,511.

As compared with the finally amended estimate of Rs. 93,39,096-11-11 (*vide* Appendix No. 5), there was an unexpended balance of Rs. 8,85,698-10-3 against which renewals of grants are required to be made to the extent of Rs. 7,07,651-9-10 for expenditure in 1903-04 and future years. The net savings on the final estimates for the year thus aggregate Rs. 1,78,047-0-5.

Opening and Closing Working Balances.

3. Including recoverable advances to the extent of Rs. 15,40,201-4-8 made for plague and administrative purposes and including also Rs. 6,00,431-6-1 reserved for the renewal of lapsed grants for 1901-02 and previous years, the year opened with a working cash balance of Rs. 25,33,832-10-5. It closed with a balance of Rs. 22,72,565-4-0, of which Rs. 4,51,930-10-10 represent recoverable advances made for administrative purposes and Rs. 7,07,651-9-10, the sum required for the renewal of lapsed grants for 1902-03 and previous years.

Reserve Stores Stock.

4. The value assigned to the stores in stock at 31st March 1903 aggregated Rs. 6,94,153-15-2 as compared with Rs. 7,10,596-9-2 at the beginning of the year, thus showing a reduction of Rs. 16,442-10-0.

Additional and Lapsed Grants.

5. The sums made available for expenditure during the year, in addition to the original Budget grants, aggregated Rs. 11,21,585-7-7. The grants lapsing to surplus cash balance and requiring renewal in 1903-04 aggregate Rs. 7,07,651-9-10 as compared with Rs. 6,00,431-6-1 renewed in 1902-03.

Surplus Cash Balance.

6. Including all recoverable advances, except sums locked up in the Reserve stock and lapsed grants to be renewed in 1903-04, the surplus cash balance at the close of the year aggregated Rs. 14,64,913-10-2 as compared with Rs. 18,33,401-4-4 at the beginning of the year.

Taxation.

7. During the year the maximum rates leviable under the Municipal Act were in force except in the following cases :—

(1) General Tax 10 per cent. against the maximum of 12 per cent. allowable under the Act.

(2) Fire Tax ½ per cent. against the maximum of ¾ per cent. leviable under the Act.

(3) Town Duties :—

Grain—Annas 4 per candy against annas 6 per candy.

Ghee—Annas 8 per maund against annas 10 per maund.

Firewood—Anna 1 per candy against annas 2 per candy.

Taking the population at 776,006 as indicated by the last Census, the incidence of taxation per head of population during each of the four years ending with 31st March 1903 was as follows :—

1899-1900	...	...	...	...	...	...	...	...	Rs.	10	1 4
1900-1901	...	...	...	...	...	...	...	...	„	9	7 3
1901-1902	...	...	...	...	...	...	...	...	„	8	9 7
1902-1903	...	...	...	...	...	...	...	...	„	9	1 11

Income Outstandings.

8. The outstandings of rates and taxes at the close of the year 1902-03 stood at Rs. 1,99,975 against Rs. 2,49,762 in the previous year, thus showing a decrease of Rs. 49,787 as follows :—

Outstandings	General Tax.	Water Tax.	Halalkhor Tax.	Wheel Tax.	Meter Hire.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
At 31st March 1902	94,053	76,626	66,960	8,905	3,218	2,49,762
„ „ 1903	98,061	50,963	38,667	10,345	1,939	1,99,975
Increase ...	4,008	...	...	1,440	...	Net decrease 49,787
Decrease ...	...	25,663	28,293	...	1,279	

Comparison with 1901-02.
(a) Income.

9. Compared with the year 1901-02, when the income realized amounted to Rs. 77,66,729-9-3, the receipts for the year under review show an increase of Rs. 4,08,958-8-0, of which Rs. 3,57,222-8-5 was derived from Town Duties.

(b) Expenditure.

The total revenue expenditure for the year shows an increase of Rs. 2,26,940-4-6 on the previous year. The increase was due chiefly to (*a*) the payment of arrears of Police charges amounting to Rs. 96,443-10-10, (*b*) a contribution larger by Rs. 19,000 paid to the City Improvement Trust, (*c*) a contribution of Rs. 25,000 towards the cost of the Coronation celebrations in Bombay, (*d*) increased debt charges, and (*e*) increased expenditure on public works.

Debt.

10. The net Municipal Debt at 31st March 1902 stood at Rs. 4,60,17,059-14-7. During the year Rs. 12 lakhs were raised and Rs. 61,299-4-4 were repaid, leaving a balance payable at 31st March 1903 of Rs. 4,71,55,760-10-3. Adding to this sum Rs. 3¾ lakhs on account of the balance of the 24¾ lakhs Loan still to be raised, the total net liability for loan capital to which this Municipality was committed up to the close of the year under review amounted to Rs. 4,75,30,760-10-3.

Sinking Fund.

11. The Sinking Fund Investments of the different Municipal Loans on 31st March 1902 amounted to Rs. 35,73,861-1-10. To this were added during the year Rs. 3,78,750 on account of annual sinking fund instalments, and Rs. 1,70,177-15-2 on account of interest on the invested funds, bringing the total sinking fund investments at 31st March 1903 to Rs. 41,22,789-1-0.

Loan Works Expenditure.

12. The original budget estimate amounted to Rs. 29,22,089, excluding a book entry of Rs. 12,98,478 on account of recoupment to working cash balance of advances made up to 31st March 1901 from current revenue balances for Plague expenditure. The revised estimate (including plague) was placed at Rs. 17,10,852-2-0, but the total expenditure incurred during the year (including plague) amounted to only Rs. 7,78,803-2-4. It is, therefore, a necessity to explain so apparent a disparity between the original estimate, the revised estimate, and the actuals. Both the original and revised estimates contemplated the construction of extensive water and drainage works such as the additional filters at the Malabar Hill Reservoir, the replacing of the Vehar Main, and laying of new mains in different localities in the City, the Sewerage of the Malabar Hill District and of the villages of Wadalla, Govari, Khara and Dharavi. These large projects which comprised an outlay of over 16½ lakhs moved slowly, however, and the construction of the Filter Beds at Malabar Hill was commenced only at the close of the year under review, while in most of the other cases the final orders of the Corporation are awaited.

Plague Expenditure.

13. The expenditure on plague operations during the year aggregated Rs. 2,31,391-1-8 which, with the outlay already booked, raised the total expenditure incurred by this Municipality for Plague purposes from the commencement of plague operations in 1896-97 to the close of the year to Rs. 57,52,745-8-3.

INCOME.

Comparison between Budget Estimates and Actuals.

14. A detailed comparison between the Budget Estimates and Actuals will be found in Appendix No. 2.

As stated in para. 2, the income exceeded the original budget estimate by Rs. 3,43,688-1-3. Except for trifling decreases amounting to less than Rs. 3,000 under a few minor heads and a decrease of Rs. 49,946-1-2 under Tramway Rent, which is explained hereafter, all the sources of income indicate increases aggregating in the total the substantial sum of Rs. 3,96,319-12-11. Even when framing the revised estimates of Income there appeared no reason to anticipate so large an advance in the income, and an increase of only Rs. 98,000 was accounted for. The original estimate was surpassed in the item of Town Duties alone, which shows an increase of Rs. 1,44,000 notwithstanding a reduction during the year from 10 annas to 8 annas per maund in the duty on ghee. There were large increases also in the Property Taxes, Wheel Tax, Tobacco Duty and Markets and Miscellaneous Receipts which went towards swelling an already satisfactory income and making the year under review a most prosperous one from the standpoint of receipts.

15. The principal variations are explained in greater detail as follows :—

(*a*) *General Tax including Fire Tax.*—The increase of Rs. 23,559-4-8 is due both to increased assessments on existing properties and to large additions to house property in the City.

(*b*) *Wheel Tax and Tolls.*—An increase of Rs. 2,379-7-0 was obtained from private conveyances and of Rs. 20,615-4-0 from public conveyances. The latter was due to a large number of labour carts and victorias having been licensed in excess of the number on which the budget estimate was based. The total increase thus obtained amounted to Rs. 22,994-11-0, but owing to a decrease of Rs. 3,981-12-0 under Toll Fees, the net increase under Wheel Tax amounted to Rs. 19,012-15-0.

(*c*) *Town Duties.*— The increase of Rs. 1,44,345-10-11 is due to the refunds paid being less than the estimate. This source of revenue is very fluctuating and the difficulty of arriving at a reliable estimate of revenue from this source can be gauged by a reference to Appendix No. 3 A, from which it will be seen that, although a uniform duty was levied on Sugar during the past ten years, the income has varied from Rs. 1,20,787 in 1898-99 to Rs. 3,53,485 in 1897-98.

(*d*) *Receipts from Government for Tobacco Duty.*—The increase of Rs. 20,091-10-1 is due as usual to the quantity of tobacco taken out of bond for local consumption being larger than estimated by the Collector of Customs.

(*e*) *Halalkhor Tax.*—The increased realization of Rs. 23,984-7-5 is due to a reduction in the outstandings as shown in para. 8.

(*f*) *Water Tax and other Miscellaneous Water Works Revenue.*—The reduction in the outstandings as shown in para. 8, and an appreciable increase of revenue in consequence of the more extended use of meters, account principally for the increase of Rs. 66,976-3-0.

(*g*) *Market Receipts* show a large increase of Rs. 23,768-2-2, of which Rs. 13,750-10-0 were derived from slaughter fees, and the balance chiefly from stall rents, squatters' fees from contractors and fair ground and feeding fees.

(*h*) *Tramway Rent.*—The decrease of Rs. 49,946-1-2 is nominal for the reasons explained at page 18 of the Report for 1901-02.

(*i*) *Miscellaneous Receipts.*—The increase of Rs. 27,026-8-9 was derived principally from the sale of land and larger realizations through the Health Department for rent of chawls and reclamation grounds and through the Engineering Department for commission and profit on private works and the sale of rights of cutting grass and the like.

(*j*) *Profit on Municipal Workshops.*—The increase of Rs. 9,584-8-8 has been explained at page 27 of this Report.

(*k*) *Interest and Profit on Investments of Surplus Loan and other Balances.*—Owing to the postponement of loan works as alluded to in para. 12, and to the surplus moneys available for investment from time to time being consequently greater than originally estimated, there was an increase in this source of revenue of Rs. 17,039-7-11. Of the total realizations amounting to Rs. 1,37,039-7-11, Rs. 58,918-12-5 were derived from investments in 5 per cent. Municipal and 4 per cent. Municipal and Improvement Trust Debentures, Rs. 5,541-11-9 as interest on current account deposits, and Rs. 72,578-15-9 on fixed deposits lodged with local Banks in sums varying from 1 lakh to 15 lakhs for periods ranging from two to three months, and at rates varying from 2 per cent. to 7½ per cent. The average rate of interest received on fixed deposits was 3·78 per cent. per annum against 4·44 per cent. realized in the preceding year. As explaining the comparatively low return on the invested balances, it may be mentioned that the official rate of interest during the half-year ending 31st December 1902 averaged 3·43 per cent. which was the

lowest level reached during that period of the year during any of the ten preceding years. During 1901-02 moreover, the maximum rate realized on investments was 8 per cent. against 7½ per cent. during the year under review as noted above.

II.—Comparison between Revised Estimates and Actuals.

16. Appendix No. 2 gives details of the variations. As on the Budget estimate, so on the Revised estimate there was a very appreciable increase. It will be seen that the increases in the different items aggregated Rs. 2,49,881-13-4 against which the decreases amounted to only Rs. 4,193-12-1, giving a net increase of Rs. 2,45,688-1-3. The principal variations are explained below :—

(*a*) *Property Taxes (General, Halalkhor and Water Taxes).*—The gross increase amounted to Rs. 62,119-15-1. It will be seen from para. 8 that over half a lakh of arrear recoveries (net) were made during the year, increasing the income "pro tanto" inasmuch as the revised estimate did not provide for any such reduction. The balance of the increase is due to a larger increase in the assessable value of properties in the City than was anticipated.

(*b*) *Wheel Tax and Tolls.*—The tax on private and public conveyances yielded Rs. 4,379-7-0 and Rs. 31,615-4-0 more than the revised estimates, the increase under the latter being solely due to an unusually large number of labour carts and victorias having been licensed during the last three months of the year. A decrease of Rs. 981-12-0 under toll fees reduced the excess realizations to Rs. 35,012-15-0.

(*c*) *Town Duties.*—For the increases of Rs. 84,345-10-11 under Town Duties, Rs. 11,241-10-1 under Tobacco Duty, Rs. 16,262-8-9 under Miscellaneous Receipts, and Rs. 17,039-7-11 under Interest and Profit on Investments, the same causes were at work as produced such large variations on the original estimates and which are explained in para. 15, remarks (*c*), (*d*), (*i*), and (*k*).

III.—Comparison between the Actuals for 1901-02 *and* 1902-03.

17. The income for the year under review was in advance of that for the preceding year by Rs. 4,08,958-8-0. The main contributors to this large increase were "Town Duties" showing an advance of Rs. 3,57,222-8-5, Wheel Tax and Tolls realizing Rs. 30,265-15-7 more than in the preceding year, and "General Tax" and "Receipts for Tobacco Duty" contributing Rs. 11,000 each in round numbers. The increase from "Town Duties" is so variable that any increase, apart from one derived by the levy of extra duties, cannot be looked upon as a permanent addition to the resources of the Municipality. The large increase under this head during the year under review is entirely fortuitous, being due partly to larger imports of grain and sugar, principally the latter article, and partly to very heavy refunds having been paid in 1901-02.

The large increase under Wheel Tax and Tolls must also be received with caution as the amount realized is the highest income ever obtained under this head. Just as these two heads "Town Duties" and "Wheel Tax and Tolls" may convey an erroneous idea of the "earning capacity," if I may so term it, of the Municipality, so the booked figures under General Tax and Halalkhor and Water Taxes do not present the correct position of this Municipality, in so far as these stable sources of Income are concerned. The "General Tax" income for 1901-02 was booked at Rs. 26,99,571 for 1901-02 and Rs. 27,10,559 for 1902-03. But the former includes arrear recoveries to the extent of Rs. 78,593, while the latter ought to be increased by Rs. 4,008 for outstandings. For purposes of comparison, therefore, the Income for 1901-02 and 1902-03 should compare as follows :—

1901-1902	Rs. 26,20,978
1902-1903	„ 27,14,567

On these lines the income from Halalkhor and Water Taxes should stand as follows :—

HALALKHOR TAX.

	1901-1902.		1902-1903.	
Halalkhor Tax	Rs. 7,88,439		Rs. 7,95,984	
Deduct—				
Arrear recoveries	„ 13,943	Rs. 7,74,496	„ 28,293	Rs. 7,67,691

WATER TAX.

	1901-1902.		1902-1903.	
Water Tax	...Rs. 15,47,120		Rs. 15,13,976	
Deduct—				
Arrear recoveries ... Rs.	24,895		„ 26,942	
Special non-recurring adjustments. „	31,670		.....	
	Rs. 56,565	Rs. 14,90,555		Rs. 14,87,034

I do not claim that these results *absolutely* correctly represent the position, but they convey as accurate a conception as is necessary of the trend of the Municipal income in three of its most important channels. Allowing that some portion of the increase in "Wheel Tax and Tolls" must be of a permanent nature inasmuch as the present position is a close reversion to the actuals for 1894-95, and assuming, as is warranted by a gradual but steady increase, that the receipts from "Licenses" and "Tobacco Duty" do represent a permanent increase, I have come to the conclusion that the permanent addition during the year under review to the income of the Municipality may safely be placed at practically a lakh of rupees.

Octroi Duties..

18. As usual the various articles on which duty was levied at the time of import under the provisions of Section 192 (1) of the Municipal Act, the amount levied and the refunds allowed thereon under Section 192 (2) on their export are shown in Appendix No. 3.

19. The gross collections for the year having been estimated at Rs. 23,75,000 and the refunds at Rs. 13,00,000, a net revenue of Rs. 10,75,000 was provided in the Budget for 1902-1903.

20. The actual realizations were less than the estimate by Rs. 61,106 chiefly under grain and ghee. But, as the refunds paid during the year were less than the estimate by Rs. 1,86,321 and the closing balance at the end of the year was also less than that in the beginning of the year by Rs. 19,131, the net increase in revenue for the year came to Rs. 1,44,346. The net revenue collected in the year amounted to Rs. 12,19,346 against Rs. 8,62,123 in the preceding year and the net realization after deducting the cost of collection amounted to Rs. 11,26,986 against Rs. 7,63,770 in 1901-1902.

21. Comparing the gross collections for the year under review with those in the preceding year, it will be seen that there were increases amounting to Rs. 1,62,008 under grain, wines and spirits, sugar and timber, the increase under sugar being most noticeable, while there were decreases amounting to Rs. 37,519 under beer, ghee and firewood.

Articles.	Actuals for 1901-1902.	Actuals for 1902-1903.	More.	Less.
	Rs.	Rs.	Rs.	Rs.
Grain	5,42,702	5,67,289	24,587	.....
Flour	46	22	.....	24
Wines and Spirits	2,43,165	2,53,831	10,666	.....
Beer	40,922	40,098	.....	824
Sugar	9,59,368	10,80,012	1,20,644	.....
Ghee	2,36,183	2,06,917	.....	29,266
Timber	1,24,859	1,30,970	6,111	.....
Firewood	42,159	34,754	.....	7,405
	21,89,404	23,13,893	1,62,008	37,519
			37,519	
		Net increase ...	1,24,489	

The increase under sugar is due to the flooding of the Indian Markets with German and Austrian sugar, which was rushed in to avoid the operation of the countervailing duty imposed during the year. The increases under grain, wines and spirits and timber were contributed by larger imports.

The decrease under ghee is entirely due to the reduction in the rate from annas 10 to annas 8 per maund. The decrease under firewood is due to smaller imports consequent on the increasing use of charcoal as fuel.

REVENUE EXPENDITURE.

I.—Grants for Expenditure from Current Revenue.

22. From Appendix No. 4 it will be seen that the grants originally sanctioned by the Corporation under Section 129 of the Municipal Act aggregated Rs. 83,02,511. To this sum were subsequently added (1) Rs. 2,62,875-7-5 on account of lapsed grants for 1900-1901 and previous years (including transfers not utilized in 1901-1902), sanctioned by the Corporation in 1902-1903, (2) Rs. 3,37,555-14-8 on account of lapsed grants for 1901-1902 renewed by the Standing Committee in 1902-1903, (3) Rs. 3,21,154-1-6 on account of additional grants sanctioned

for unforeseen expenditure during the year, and (4) Rs. 2 lakhs reserved in the introductory remarks to the Budget for 1903-1904 to meet the interest on Municipal loans short provided in the Budgets for 1901-02 and 1902-03. Thus the total sanctioned grants aggregated Rs. 94,24,096-7-7, from which savings to the extent of Rs. 84,999-11-8 were anticipated at the time of preparing the revised estimates for 1902-1903 and were consequently taken credit for in those estimates.

The final sanctioned grants for revenue expenditure thus stood at Rs. 93,39,096-11-11. The transfers made from one budget head to another without in any way affecting the total budget provision for the year amounted to Rs. 42,188-3-4.

In the Introductory Remarks to the Budget for 1903-1904 a sum of Rs. 2,89,890 was reserved for additional grants sanctioned and to be sanctioned up to 31st March 1903. It will, however, be seen that the grants actually sanctioned up to the close of the year aggregated Rs. 3,21,154-1-6 or Rs. 31,264-1-6 in excess of the above reserve. This excess has been met from the surplus revenue obtained during the year.

The principal items making up the additional grants of Rs. 3,21,154-1-6 above referred to were (1) Arrears of Police Charges Rs. 96,443-10-10, (2) Contribution towards the cost of Coronation Celebrations in Bombay Rs. 25,000, (3) Cost of investigation on water leakage Rs. 22,596, (4) Cost of re-modelling certain house gullies in Kamatipura District Rs. 19,196, (5) Extra cost of land in Agripada utilized for the Health Department Stables in E Ward Rs. 16,776-12-11, (6) Asphalting the floors of filters Nos. 3, 4 and 6 of the Bhandarwada Reservoir Rs. 16,648, (7) Purchase of one motor van for the transportation of meat from the Bandora Slaughter Houses to Bombay Rs. 12,500, and (8) Compassionate allowance to the family of the late Mr. Leask Rs. 11,519-13-3.

II.—Comparison between Grants as finally amended and Actuals.

23. As stated in the preceding para., the grants finally made available for expenditure during 1902-1903 aggregated Rs. 93,39,096-11-11 (*vide* Appendix No. 5). The actual booked outlay amounted to Rs. 84,53,398-1-8, leaving an unexpended balance of Rs. 8,85,698-10-3. Of this sum Rs. 7,07,651-9-10 require renewal for expenditure in 1903-1904, thus leaving a net saving of Rs. 1,78,047-0-5 or 2·06 per cent. on the total sanctioned grants less renewals.

24. The principal variations between the actuals and allotted grants which call for remarks are —

	Rs.
A. Public Works (Engineer's Department)	51,663
B. Public Health Department	73,232
C. New Works	18,363
Total ...Rs.	1,43,258

leaving minor savings aggregating Rs. 34,789 under other service heads.

A. *Public Works Engineer's Department*).—The saving of Rs. 51,663 was distributed as follows :—

	Rs.
General and Streets and Buildings Branches	18,028
Water Works Branch	16,935
Drainage Branch	16,700
Total ... Rs.	51,663

and was effected principally (1) on the provision for public lighting consequent on roads constructed by the City Improvement Trust not having been handed over to the Municipality, (2) repairs to the Kasheli Embankment of the Tansa Duct owing to economical working, (3) repairs and alterations to miscellaneous drains and gutters, and (4) savings in the various pumping stations.

B. Public Health Department.—Of the saving of Rs. 73,231-12-4, Rs. 43,017-8-2 were effected under General Supervision and Conservancy, Rs. 16,752-10-2 under Infectious Diseases, and the balance of Rs. 13,461-10-0 under Registration of Births and Deaths, Cemeteries, Vaccination, &c. The large saving in General Supervision and Conservancy is due principally to the labour staff employed being below the budgetted strength, to haulage charges being lower than the budget estimate, and to the feed, stores, repairs, contingent, &c., grants not being fully expended. The large saving of Rs. 16,752-10-2 under Infectious Diseases is due partly to the provision of

Rs. 40,000 for "Special Measures" not being fully required, and partly to a refund of Rs. 5,474-9-2 obtained from Government on account of the cost incurred at the Arthur Road Hospital for treating convicts suffering from infectious diseases. The saving of Rs. 13,461-10-0 under the other heads was effected principally on the grant for firewood and the different contingent, repairs, &c., grants.

C. New Works.—Of the saving of Rs. 18,362-12-8 effected on works completed within the sanctioned grants, Rs. 3,555-13-5 were contributed by Drainage Works, Rs. 5,278-7-11 by Water Works, and Rs. 9,528-7-4 by Sanitary and other Miscellaneous Works.

III.—Lapsed Grants.

25. The unexpended balances of the allotted grants aggregated Rs. 8,85,698-10-3, of which Rs. 7,07,651-9-10 are proposed to be renewed during 1903-04 for payment of liabilities incurred but not discharged up to the close of the year under report, and for the completion of works, supplies, &c. The heads under which renewals are required will be found in Appendix No. 5.

As compared with 1901-02, the amount proposed to be renewed in 1903-04 shews an increase of Rs. 1,07,220-3-9, of which rupees one lakh is due to a short provision made in the Budget for 1901-02 for payment of interest charges on Loans. The percentage of renewed grants to grants allotted (excluding actual savings) during the year was 7·72 per cent. against 6·8 per cent. in 1901-02, 8·7 per cent. in 1900-01 and 11·2 per cent. in 1899-1900.

IV.—Comparison between the actual expenditure during 1901-02 *and* 1902-03.

26. The revenue expenditure of the year under report, as compared with that in the preceding year, shews an increase of Rs. 2,26,940-4-6 which is attributable to the causes explained in para. 9. The principal variations are explained below :—

A. General Superintendence.—The payment of increased salary to the Commissioner from 19th November 1901 and of the annual increments to office establishments and of increased printing, advertisement, &c., charges in the Corporation and Standing Committee's and the Chief Accountant's Offices account for the increased expenditure of Rs. 14,814-5-2. But this excess is reduced by Rs. 11,083-3-1 in consequence of the law charges paid during the year being less than those paid in the preceding year by Rs. 9,500 and less expenditure having been booked in 1902-03 on repairs and maintenance of the Municipal Office Buildings.

B. Assessment and Collection Department.—The net small decrease of Rs. 1,064-14-5 is solely due to larger commission having been paid in 1901-02 to the Port Trust and the two Railway Companies for the collection of Town Duties.

C. Fire Brigade.—The expenditure under this head shews a decrease of Rs. 11,545-14-1, owing to the Chief Officer having been on ten months' furlough on half pay from 19th April 1902, to the accounts for 1901-02 including two years' clothing charges and to the cost of three Telescopic Fire Escapes purchased in that year and to the interest charges paid on the 4½ lakhs Fire Brigade Loan in 1902-03 being less by Rs. 4,000 than those paid in 1901-02.

D. Public Gardens.—The small net increase of Rs. 1,711-9-0, over half of which was under Victoria Gardens Maintenance and new Works, needs no special remarks.

E. Public Works (Engineer's Department).—All the branches except Water Works shew increases as will be seen from the following figures :—

	Increase.	Decrease.
	Rs. a. p.	Rs. a. p.
General Branch	4,582 1 1	.....
Drainage Branch	23,868 11 10	.....
Water Works Branch	.....	12,367 4 4
Streets and Buildings Branch	29,793 9 9	.....
	58,244 6 8	12,367 4 4
Less—Decrease	12,367 4 4	
Net Increase ... Rs.	45,877 2 4	

The revised system introduced of debiting the printing and advertisement charges in connection with works and supplies to the contingent grants of the Departments concerned instead of to the works and supplies is accountable for the increased expenditure of Rs. 4,582-1-1 under the General Branch. Of the increased expenditure under Drainage, over 60 per cent. is due to a

permanent increase in the establishment charges and to the working expenses of pumping stations in consequence both of the extension of the Sewerage system and of the greater attention given to the drains. The extra sum involved may be put at Rs. 15,000. The balance of the increase over 1901-1902 is attributable to special heavy repairs and alterations to drains and gutters. The increase of nearly Rs. 30,000 in the Streets and Buildings Branch would have been swelled to over Rs. 70,000, had the payments against liabilities incurred for street improvements not been over Rs. 40,000 less in 1902-1903 than in 1901-1902. As every opportunity is being taken to enforce set-backs, the large decrease of Rs. 40,000 under this head is nominal and must be left out of consideration in determining the actual increase for the year, which is principally as follows :—

Road Repairs and Maintenance...	Rs.	42,000
Cleaning water entrances...	„	7,300
Paving footpaths	„	4,400
Planting new trees	„	4,400
Lighting	„	7,500
	Rs.	65,600

This sum must be regarded as a permanent addition to the expenditure of the Municipality.

The decrease under Water Works is due to special expenditure incurred in 1901-1902 in connection with metering a large number of properties.

F. New Works—The decrease of Rs. 26,880-9-1 is the result of a smaller grant having been provided in the budget for the year instead of the usual provision of one lakh.

G. Public Health Department.—The expenditure on the whole, as contrasted with 1901-1902, remained stationary, but this was due rather to non-recurring outlay and adjustments in 1901-1902.

Conservancy Branch.—During the year under review the charges for feeding the cattle were higher and larger purchases of stock were made to bring the establishment more up to standard, resulting in an increase of Rs. 40,000 in the expenditure. This outlay cannot be classed as a permanent increase as the expenditure under these heads must be fluctuating. The balance of Rs. 10,000 making up the net increase of Rs. 50,212 under this head is made up of increases and decreases under surface drain cleaning, gully flushing, disposal of kutchra, rent and halalkhore service, all of which are of a permanent character.

So also is the increase of nearly Rs. 15,000 in the " Registration " Branch, which is due to the employment of 20 sub-registrars and one additional cemetery clerk and to larger contingent charges.

The other increases are small and do not call for any special remarks.

The large decrease under Infectious Diseases is due to the adjustment of certain charges in 1901-1902 which did not recur in the year under report.

The decrease under Dispensaries is the result of the decision arrived at by the Corporation to debit all charges in connection with Dispensaries to the Plague Grant as a plague measure.

The decrease under Census does not require any special remarks.

H. Police Charges.—The increase of Rs. 96,444 represents the payment of arrears of Police charges up to 1901-1902.

I. Miscellaneous.—The payment of a compassionate allowance to the family of the late Mr. Leask, the contribution made by the Corporation towards the celebration of the Coronation Festivities in Bombay, and the adjustment of the cost of certain land in Agripada, utilized for the Health Department stables in E Ward, account for the large net increase of Rs. 48,841-12-1 under Miscellaneous.

J. Municipal Debt.—Under Interest on Loans, Charges on Loans and Investment of interest realized on Sinking Fund, there is a total increase of Rs. 81,519-9-5, while Payments towards the reduction of Debt and Payments towards the investment of Sinking Fund show a decrease of Rs. 26,733-15-6. There is thus a net increase of Rs. 54,785-9-11.

The payment of full year's interest on the 1st and 2nd instalments amounting to Rs. 17 lakhs of the 24¾ lakhs Loan raised in 1901-1902, and of interest for about 3½ and 2½ months on the 3rd instalment of Rs. 4 lakhs of the 24¾ lakhs Loan, and the balance of Rs. 8 lakhs of the 20 lakhs Plague Loan, raised in 1902-1903, accounts for the increase of Rs. 57,269-14-0 under Interest on Loans, of which Rs. 55,800 may be considered as a permanent addition to the Capital Liabilities of the Corporation.

The increase of Rs. 23,927-1-5 under investment of interest realized on the investments of Sinking Funds is due to the accrual of a large amount of interest on the funds which go on increasing every year.

The decrease of Rs. 26,401-1-6 under Payment towards the reduction of Debt is due to some of the holders of debentures of the Drainage Loan of 1878 not having surrendered their bonds for repayment on the stipulated dates.

27. Though it is well nigh impossible to gauge the exact extent to which an increase in expenditure in any one year may be classed as a permanent recurring liability, it is, it seems to me, useful as tending to shew the trend of expenditure, to indicate the directions in which, and the extent to which, during any year expenditure has been incurred to any considerable extent, which in all probability will fall as a recurring charge on the finances.

Reviewing the year under report as compared with the year 1901-1902, I think it might be assumed that the following were, on broad lines, the permanent additions to the recurring expenditure of this Municipality :—

Drainage Branch	Rs.	15,000
Streets and Buildings Branch	„	65,600
Health Department	„	25,000
Interest Charges	„	55,800
Total	Rs.	1,61,400

I have in para. 17 of this report indicated the extent to which, in my opinion, the Income of the Municipality may be assumed to have expanded in 1902-1903, and have placed the figure at Rs. 1,00,000. It, therefore, appears that the increase to the permanent recurring expenditure of the Municipality during the year has exceeded the permanent expansion of Income by well over half a lakh of Rupees.

SURPLUS CASH BALANCE.

Appendix No. 6.

28. The Surplus Cash Balance at the close of the year, excluding the minimum balance of rupees one lakh required by law, stood at Rs. 14,64,913-10-2 as shewn in Appendix No. 6, against Rs. 18,33,401-4-4 at the close of 1901-02, thus shewing a reduction of Rs. 3,68,487-10-2 caused by the year's deficit of Rs. 2,77,710-0-5, *plus* the increase of Rs. 1,07,220-3-9 in the balance of lapsed grants to be renewed, less a reduction of Rs. 16,442-10-0 in the reserve stock balances. The balance at the close of the year is, however, in advance of the original estimate of Rs. 10,91,489 by Rs. 3,73,424-10-2 and of the revised estimate by Rs. 4,08,913-10-2, the latter increase being made up of (1) extra income realizations amounting to Rs. 2,45,688-1-3 (*vide* para. 2), less Rs. 31,264-1-6 appropriated for meeting additional grants sanctioned up to 31st March 1903 in excess of the reserve of Rs. 2,89,890 (*vide* para. 22), (2) savings in expenditure amounting to Rs. 1,78,047-0-5 (*vide* para. 2), and (3) reduction in the balance of reserve stock Rs. 16,442-10-0 (*vide* para. 4).

29. As sanctioned in the Loan Works Budget for 1902-1903, the net advance of Rs. 12,98,478 made from current revenue for expenditure on plague operations up to 31st March 1901 has been recouped to Surplus Cash Balance during the year, the subsequent expenditure on plague being entirely met by advances from Loan Funds.

As in past years, so I have now to point out that to arrive at an estimate of the Surplus Cash Balance now available for disposal, allowance has to be made for (1) Rs. 3,02,875 being the deficit in the estimated revenue for 1903-1904, (2) Rs. 5,12,000 being the estimated contribution to be paid to the City Improvement Trust on 1st April 1904, and (3) Rs. 38,338 on account of additional grants sanctioned up to 30th June 1903. The surplus balance available for future appropriation is thus reduced to Rs. 6,11,701.

DEBT AND SINKING FUND.

Appendices Nos. 7 *and* 8.

30. The total capital debt of the Municipality in the beginning of the year amounted to Rs. 4,60,17,059-14-7, of which Rs. 24,73,559-14-7 were due to Government, and the balance to the public.

To this were added Rs. 12 lakhs raised from the public during the year, Rs. 8 lakhs on account of the final instalment of the 20 lakhs Loan for Plague expenses, and Rs. 4 lakhs, being the third instalment of the 24¾ lakhs Loan for the construction of certain Sewerage and Water

Works. The amount paid to Government during the year towards the reduction of the Vehar Debt was Rs. 15,299-4-4, and Rs. 46,000 were repaid to certain holders of debentures of the Drainage Loan of 1878. There was thus a net addition of Rs. 11,38,700-11-8 to the Capital Debt of the Municipality, which was consequently increased to Rs. 4,71,55,760-10-3, including Rs. 24,58,260-10-3 on account of the Vehar Debt due to Government. Against the total Debt the Sinking Fund invested up to 31st March 1903 amounted to Rs. 41,22,789-1-0, which left a net debt liability of Rs. 4,30,32,971-9-3.

It will be seen from statement No. 7 that debentures for Rs. 25,000 of the Drainage Loan of 1878, which were redeemable on or before 1st January 1903, were not surrendered for repayment by the bond-holders up to the close of the year.

From statement No. 8 it will be seen that the outstanding interest on the different Municipal Loans in the beginning of the year amounted to Rs. 2,39,274-15-4, adding to which the sum of Rs. 20,23,935 on account of interest payable for the year under report, the total amount of interest payable to the public during the year was Rs. 22,63,209-15-4. The interest paid by the Bank during the year amounted to Rs. 20,11,287-15-4, leaving an outstanding of Rs. 2,51,922 at the close of the year, or Rs. 12,647-0-8 more than in the preceding year. The outstandings represent 11·13 per cent. of the total interest payable.

The total interest paid during the year, including Rs. 98,676-11-8 paid to Government on account of the Vehar Debt, aggregated Rs. 21,09,964-11-0.

RAISING OF LOANS.

31. As provided in the Loan Works Budget for the year, Rs. 12 lakhs were raised from the public, Rs. 8 lakhs being the final instalment of the 4 % Loan of Rs. 20 lakhs for Plague expenses and Rs. 4 lakhs being the third instalment of the 4 % Loan of Rs. 24¾ lakhs for the construction of Sewerage, &c., Works. The accepted tenders for the former Loan varied from 95 % to 100 $\frac{3}{16}$ %, the average rate realized being Rs. 95-5-1·65. The accepted rates for the latter loan varied from 98 $\frac{9}{16}$ % to 100 $\frac{3}{16}$ %, the average rate realized being Rs. 98-12-11·66 per cent.

The discount on the instalment of the Plague Loan amounted to Rs. 37,409-6-0, and that on the instalment of the 24¾ lakhs Loan amounted to Rs. 4,757-3-0, making a total of Rs. 42,166-9-0, which was met from the Net Premia Fund.

EXPENDITURE ON LOAN WORKS.

Appendix No. 13, *pages* 79 *to* 83.

32. The total expenditure on Loan Works (excluding Plague expenses) aggregated Rs. 5,47,412 against Rs. 7,06,259 in the preceding year, shewing a decrease of Rs. 1,58,847, which accrued almost entirely on Drainage Works. The expenditure was distributed as follows :—

Sewerage and Drainage Works	Rs.	4,83,830
Water Works	„	10,267
Roads	„	27,909
Sanitary and Miscellaneous Works	„	25,406
	Rs.	5,47,412

The principal works on which expenditure during the year was incurred were the Sewerage of the Mazagon District, Sectional, Storm-water drain in Tardeo Road, Low Level channel from the Tardeo Flats to Worli Point, Street connections in different parts of the City and the Sewerage of the Fergusson Road, Chinchpokli and Parel Sectional Districts.

PLAGUE EXPENDITURE.

Appendix No. 10.

33. The net amount expended on Plague operations during the year (including Dispensaries, but excluding expenditure on Discretional Relief and the construction of Health Camps for which funds were provided by Government) was Rs. 2,31,391 against Rs. 4,43,616 in the preceding year. The gross expenditure amounted to Rs. 2,99,837 but, deducting receipts aggregating Rs. 68,446 on account of adjustments and recoveries from Government and other parties, the net expenditure amounted to Rs. 2,31,391 as stated above. A very satisfactory reduction of over one lakh was made in Establishment alone, and a reference to Appendix 10 will shew that a sensible reduction was effected in nearly every direction. As decided by the Corporation, the cost of Dispensaries was debited to " Plague " for the first time during the

year under review. The total expenditure on Plague operations from the commencement up to the close of the year under report aggregated Rs. 57,52,745-8-3, which was financed as under :—

From the 20 lakhs Plague loan	Rs.	20,00,000	0 0
,, Government contribution	,,	14,50,000	0 0
Advanced from Loan Fund balances	,,	23,02,745	8 3
Total	Rs.	57,52,745	8 3

34. The total expenditure on Plague operations during the year, including that on the construction of Health Camps and Discretional Relief, aggregated Rs. 2,49,097-14-6 against Rs. 4,96,369-14-10 in the preceding year.

Government Contributions for Construction of Health Camps and Discretional Relief.

35. *Plague Camps.*—The balance of the Government contribution at the beginning of the year was Rs. 1,968-13-5, to which were added during the course of the year three sums aggregating Rs. 13,400, thus raising the funds at the disposal of the Municipality to Rs. 15,368-13-5. Against the latter sum, Rs. 13,956-10-2 were expended during the year, leaving an available balance of Rs. 1,412-3-3 at the close of the year. The total expenditure on Health Camps paid out of the Government grant from the commencement of operations up to the close of 1902-1903 aggregated Rs. 1,83,987-12-9 against a net receipt from Government of Rs. 1,85,400.

36. *Discretional Relief.*—The balance in hand on 1st April 1902 amounted to Rs. 466-2-8, which, together with the further advances amounting to Rs. 2,900 received from Government during the year and Rs. 570 on account of unexpended balances of advances refunded by the Officers entrusted with the relief, aggregated Rs. 3,936-2-8. The actual expenditure incurred on Discretional Relief during the year amounted to Rs. 3,750-2-8, leaving a balance of Rs. 186 in hand at the close of the year (excluding advances with the officers entrusted with discretional relief). The net advance received from Government for Discretional Relief expenditure up to the close of 1902-1903 amounted to Rs. 1,24,700-12-6 (including the advances amounting to Rs. 6,800-12-6 refunded by District Officers) against which the actual expenditure amounted to Rs. 1,24,514-12-6.

36*a*. The total expenditure from all sources, Government and Municipal, booked in my accounts for Plague operations from the commencement to 1902-1903, including the outlay incurred on construction of the Health Camps and Discretional Relief, amounted to Rs. 60,61,248-1-6, of which Rs. 17,58,502-9-3 were borne by Government.

LIABILITIES AND ASSETS.

Appendix No. 9.

37. The liabilities at the close of the year aggregated Rs. 4,95,86,135, while the assets are placed at Rs. 6,46,91,355. The excess of assets over liabilities amounts to Rs. 1,51,05,220 or Rs. 2,47,295 less than that at the close of the preceding year. Of the liabilities, Rs. 4,71,55,761 form the gross capital debt of the Corporation, Rs. 18,39,108 represent the book adjustment of the value of land at Agripada, &c., transferred to the Bombay Improvement Trust, Rs. 5,18,250 are deposits received from contractors and others, Rs. 49,544 represent charges admitted, but the payment of which was not claimed up to the close of the year and the balance of Rs. 23,472 is made up of two small items.

As compared with the previous year when the liabilities amounted to Rs. 4,65,83,035, there is a net increase of Rs. 30,03,100, of which Rs. 18,39,108 are due to the adjustment alluded to above. The balance of Rs. 11,63,992 is accounted for by the increase in the capital debt of the Municipality, *viz.*, Rs. 11,38,701, *vide* para. 30, plus increase in deposits Rs. 24,056 and the new item of Surplus and Obsolete Stock Adjustment Account Rs. 5,602, less decrease of Rs. 4,367 under Cheques Payable.

38. The assets aggregating Rs. 6,46,91,355 are distributed thus :—

A. Cash and Paper available for expenditure on revenue and capital projects :—				
(1) Cash Balance	Rs.	1,49,059		
(2) Surplus Fund Deposits	,,	20,41,665		
(3) Loan Funds	,,	19,26,697		
			Rs.	41,17,421
B. Sinking Funds Investments			,,	41,22,789
C. Special Funds Investments			,,	6,19,064
D. Advances recoverable, paper deposits and other items			,,	4,35,149
E. Reserve Stock			,,	6,94,154
F. Properties			,,	5,28,63,670
G. Debt due by the Bombay Improvement Trust for land transferred.			,,	18,39,108
			Rs.	6,46,91,355

As compared with the preceding year when the assets were placed at Rs. 6,10,35,551, there is an increase of Rs. 27,55,804, of which Rs. 18,39,108 is due to the debt owing by the Bombay Improvement Trust and the balance of Rs. 9,16,696 principally owing to an increase under investments of Sinking and other funds and the outlay incurred on Drainage, &c., works carried out during the year from Loan Funds. Certain properties which have always hitherto appeared as assets, although they ceased to exist some years ago, have been written off the books.

In regard, however, to a systematic examination and remodelling of our assets, I can undertake no such task in the absence of the supervising staff I have asked for, now more than two years ago.

The value of the Reserve Stock Balances, which has been placed at Rs. 6,94,154, will be revised according to the re-valuation made by Mr. Wheeler (the special officer appointed to overhaul the Stores and Store Accounts) when the details of the re-valuation are received from him.

The invested balances at 31st March 1903, as compared with those at the close of the previous year, are given in Appendix No. 9.-B. as usual. They shew an increase of Rs. 8,42,357-11-5, partly due to larger balances of Surplus Funds having remained on hand and partly to the additions made to the Sinking and other Funds.

WATER WORKS ACCOUNT.

Appendix No. 11.

39. *I.—Income and Expenditure Account.*—The revenue obtained during the year from water supply, including meter hire and other miscellaneous receipts, amounted to Rs. 15,13,976-3-0, of which Rs. 24,246-3-0 represent the value of water supplied to Municipal buildings which are rented. The receipts from special invested funds amounted to Rs. 23,307-9-3 which raised the total Water Works receipts to Rs. 15,37,283-12-3. The total expenditure on Water Works amounted to Rs. 16,88,262-8-5, which included (1) Rs. 2,78,665-2-10 on account of Maintenance and General Working Charges, (2) Rs. 18,926-12-1 on account of New Works, (3) Rs. 48,307-9-3 on account of investments of Worn-out Mains Renewal and Premia Funds, (4) Rs. 11,78,371-2-7 on account of interest on Water Works portions of different Loans, and (5) Rs. 1,63,991-13-8 on account of repayment of Loans and investment of Sinking Fund. It will be seen from this statement that the excess of expenditure over income amounted to Rs. 1,50,978-12-2 against a deficit of Rs. 1,80,000 estimated in the Budget for the year. This deficit was met from the General Revenues of the Municipality.

As compared with the preceding year, the income for the year shews a decrease of Rs. 32,769-4-5, due mainly to a large nominal profit on stock having been adjusted in the accounts for 1901-1902, while the expenditure shews an increase of Rs. 35,958-4-4 in consequence of a larger amount of interest having been paid on the Tansa Loan and on the Water Works portion of the 24¾ lakhs Loan than in 1901-1902. Thus the deficit of Rs. 82,251-3-5 in 1901-1902 was increased during the year to Rs. 1,50,978-12-2.

Appendix No. 12.

40. *II.—Assets and Liabilities.*—The payment of Rs. 15,299-4-4 made to Government towards the reduction of the Vehar Debt and of Rs. 25,426-14-0 towards repayment of the Water Works portion of the Drainage Loan of 1878 reduced the liabilities from Rs. 2,44,14,360-6-2 at the close of 1901-1902 to Rs. 2,43,73,634-3-10 on 31st March 1903, of which Rs. 24,58,260-10-3 were due to Government.

The assets amounted to Rs. 2,82,20,666-8-3 against Rs. 2,82,06,110-1-11 at the close of the previous year, shewing an increase of Rs. 14,556-6-4, made up of expenditure on Loan Works and on investments amounting to Rs. 58,574-14-2, less withdrawal of Rs. 44,018-7-10 from the Water Works portion of the Premia Fund to meet discount and stamp, etc., charges on the 12 lakhs Loans raised in 1902-1903.

The excess of assets over liabilities was increased from Rs. 37,91,749-11-9 at the close of 1901-1902 to Rs. 38,47,032-4-5, shewing an increase of Rs. 55,282-8-8. This excess of assets over liabilities is represented entirely by payments made towards the reduction of the Water Works Debt which amounted to Rs. 38,57,416.

STORES.

41. The balance of Reserve Stock in hand at the close of the year as per the general books of this office amounted to Rs. 6,94,153-15-2 against Rs. 7,10,596-9-2 at the close of the

preceding year, shewing a decrease of Rs. 16,442-10-0. The stock was distributed between the different departments of the Municipality as under :—

Departments.	1901-02.	1902-03.	More.	Less.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Chief Accountant (General Stores)	21,882 12 3	21,434 11 9	.....	448 0 6
Water Works Department ...	3,77,211 15 1	3,87,836 13 6	10,624 14 5	.....
Drainage Department	3,01,736 4 3	2,64,568 5 10	.....	37,167 14 5
Executive Engineer's Department (S & B)	6,854 14 6	3,372 1 1	.....	3,482 13 5
Plague Department	2,910 11 1	16,941 15 0	14,031 3 11	.....
Rs.	7,10,596 9 2	6,94,153 15 2	24,656 2 4	41,098 12 4
			Less—increaseRs.	24,656 2 4
			Net decrease Rs.	16,442 10 0

The increase in the Water Works Stores is due to a number of surplus pipes, etc., which had remained unaccounted for in the stores having been taken on the books at the time of the stock verification made by Mr. Wheeler.

A large quantity of cement and stoneware pipes and fittings having been used up on the different sewerage, etc., works, accounts for the appreciable reduction of over Rs. 37,000 in the Drainage Stock.

The Plague stores shew an increase of Rs. 14,031, owing to a large stock of perchloride of mercury and hydrochloric acid and clothing for hospital patients having remained on hand at the close of the year.

When I joined this Municipality in 1897, the stocks amounted to over Rs. 9,00,000. They now stand at less than Rs. 7,00,000. A reduction of over 22 per cent. has thus been effected and over Rs. 2,00,000 set free from moneys uselessly tied up, a result which could not have been achieved but by that "controlling effect of audit" without which, I contended in my report for the financial year 1897-1898, Executive Officers will create large reserves which it takes years to wipe off.

The systematic verification and the revision of the store accounts, repeatedly urged by me, were carried out during the year by an independent Government Officer specially appointed by the Corporation, and the results and recommendations were, it was gratifying to find, such as I had forecast. The Special Officer's reports having been approved by the Corporation under their Resolution No. 14591, dated 23rd March 1903, the necessary adjustments will be made in the accounts for 1903-1904. The scheme for the establishment of a Central Stores is under consideration and a manual for the guidance of the Stores Department is under preparation. When these are completed and put in force, a new era will begin for the Stores Department of the Municipality.

WORKSHOPS.

42. The opening balance was Rs. 12,079-0-1 or Rs. 6,749-7-1 less than in the preceding year.

The cost of labour and supervising staff employed, and of stores used on the works turned out in the shops during the year amounted to Rs. 1,11,212-2-2 against Rs. 1,19,685-3-5 in the previous year. The total outlay on the Workshops during the year, including the opening balance, amounted to Rs. 1,23,291-2-3, against which the recoveries made during the year, including Rs. 2,104-12-3 realized by the sale of unserviceable stores, etc., amounted to Rs. 1,31,996-14-11, and the outstandings at the end of the year, including incomplete jobs, aggregated Rs. 5,878-12-0 against Rs. 12,079-0-1 at the close of 1901-1902. Thus a net profit of Rs. 14,584-8-8 accrued during the year, against Rs. 14,567-10-1 in 1901-1902 and against the revised estimate of Rs. 9,000 for 1902-1903.

By charging 35 per cent. on all jobs executed in the shops, plus an additional 15 per cent. on private works, a sum of Rs. 30,944-11-10 was realized, adding to which the sum of Rs. 2,104-12-3 obtained by the sale of unserviceable stores, etc., and Rs. 1,048-12-11 realized

by the hire of the pumping engine, the gross earnings of the shops aggregated Rs. 34,098-5-0, from which the following shop and supervision, etc., charges were paid, leaving a net profit of Rs. 14,584-8-8 as stated above :—

		Rs.	a.	p.
1.	Supervising Establishment	8,591	0	8
2.	Stores Establishment	1,080	0	0
3.	Shop Charges	9,329	5	9
4.	Repairs Charges	12	1	11
5.	Purchase of Machinery...	501	4	0
	Total ...Rs.	19,513	12	4

FIRE BRIGADE.

43. The following table shewing the Fire tax recovered since 1889-90, when it was levied for the first time, to the close of the year under report, will prove interesting. It shews that the Fire tax recovered up to 1902-03 amounted to Rs. 17,09,611-2-8, while the expenditure booked under the head "Fire Brigade," including interest and sinking fund charges on the Fire Brigade Loan of 4½ lakhs, amounted to Rs. 15,98,895-2-8, leaving a net surplus of Rs. 1,10,716, which forms a part of our surplus balances and from which will have to be met the expenditure on renewed grants amounting to Rs. 8,927-5-2.

Years.	Rate at which Fire Tax was levied.	Amount derived from Fire Tax.	Fire Brigade Expenditure.	Surplus.	Deficit.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1889-1890 ...	½ per cent.	79,187 0 0	93,906 15 3	.....	14,719 15 3
1890-1891 ...	¾ „	1,25,345 0 0	1,29,291 0 4	.....	3,946 0 4
1891-1892 ...	¾ „	1,64,263 13 2	88,671 4 4	75,592 8 10	.....
1892-1893 ...	¾ „	1,65,838 0 0	1,47,693 15 7	18,144 0 5	.....
1893-1894 ...	½ „	1,10,504 0 8	1,06,314 0 11	4,189 15 9	.....
1894-1895 ...	½ „	1,09,325 5 0	1,14,143 11 6	.....	4,818 6 6
1895-1896 ...	½ „	1,10,437 8 3	1,15,990 10 2	.....	5,553 1 11
1896-1897 ...	½ „	1,09,137 9 8	1,07,653 13 0	1,483 12 8	.....
1897-1898 ...	½ „	1,20,960 14 1	1,18,507 12 0	2,453 2 1	.....
1898-1899 ...	½ „	1,17,219 1 9	1,09,076 4 5	8,142 13 4	.....
1899-1900 ...	½ „	1,20,127 0 9	1,17,097 10 3	3,029 6 6	.....
1900-1901 ...	½ „	1,20,647 0 5	1,18,638 12 10	2,008 3 7	.....
1901-1902 ...	½ „	1,27,570 1 8	1,21,727 9 1	5,842 8 7	.....
1902-1903 ...	½ „	1,29,048 11 3	1,10,181 11 0	18,867 0 3	.....
	Total Rs.	17,09,611 2 8	15,98,895 2 8	1,39,753 8 0	29,037 8 0
Less— Deficit ... ...Rs.				29,037 8 0	
Surplus ... ...Rs.				1,10,716 0 0	
Deduct— Renewed grant for 1902-03 and previous years... ... ...Rs.				8,927 5 2	
			Net Surplus ...Rs.	1,01,788 10 10	

GENERAL.

44. The strain on my department owing to the increased work alluded to in my Financial Report of 1901-1902 continued during the year under report, as will be seen from the following figures :—

Year.	Nature of work.				
	Cash Payments to Employés.	Receipt Vouchers.	Debit Vouchers.	Inward Letters.	Outward Letters.
	Rs.	No.	No.	No.	No.
1896-1897	18,34,083	21,336	50,327	20,579	5,665
1897-1898	19,93,311	22,317	53,907	20,362	6,117
1898-1899	22,98,450	22,039	57,798	22,545	10,433
1899-1900	25,18,276	25,044	61,429	23,676	10,636
1900-1901	26,73,065	25,093	1,09,685	23,896	12,382
1901-1902	25,03,956	25,160	83,208	21,166	11,786
1902-1903	24,31,773	25,607	72,987	20,494	10,972
Percentage of increase in 1902-1903 over 1896-1897	33%	20%	45%	4% Decrease.	94%

45. Conjointly with this largely increased work I cannot refrain from drawing attention to the subjoined statement, which shews that, though the actuals for the year under review as compared with the year 1897-1898 when the Schedule of the Municipal establishments was revised by my predecessor, shew an increase of nearly 22 per cent. in the ordinary income and 21 per cent. in the revenue expenditure, the revenue staff of this office has received no material addition and that the percentages which the cost of such staff bears to the actual income and expenditure, indicate a reduction instead of an increase :—

Year.	Cost of Staff at Maximum Rates of Pay.	Income.	Expenditure.	Percentage of Cost of Staff to Income.	Percentage of Cost of Staff to expenditure.
		Rs.	Rs.		
1897-98 ...	62,754	67,08,506 (*a*)	69,96,969 (*b*)	·93	·89
1902-03 ...	64,434	81,75,688	84,53,398	·79	·76
Increase ...	1,680 or 2·67 per cent.	14,67,182 or 21·87 per cent.	14,56,429 or 20·81 per cent.		

(*a*) Excluding a rebate of Rs. 4,37,055 to current revenue in respect of plague expenses incurred in 1896-97.
(*b*) Excluding Rs. 5 lakhs on account of plague expenses, which were subsequently transferred to Loan Funds.

46. If, as I presume it will be allowed, this office was not overmanned in 1896-97 and 1897-98, the facts adduced above can be held to point to only one conclusion and that is, that my Department is overworked and that the funds allotted to it are not sufficient to enable me to efficiently conduct the responsible duties of my office without a strain which cannot be indefinitely prolonged without in some way affecting efficiency. Under existing circumstances attempts at reform are, if not without the pale of practicability, at least difficult to undertake without a feeling of discouragement which has a tendency to ultimately find expression in a rigid adherence to existing conditions and a policy of " laissez aller."

PERSONAL.

47. I was on privilege leave from 8th September to 18th October 1902, during which period my Deputy, Mr. Maneckshah C. Taleyarkhan, acted for me.

I am much indebted to my Deputy, Mr. Maneckshah C. Taleyarkhan, my Personal Assistant, Mr. Ruttonji Furdoonji Khambatta, my Head Audit Clerk, Mr. Bal Nilaji, and to my staff generally for the zealous assistance rendered to me in the performance of my duties.

APPENDICES.

48. The following are the appendices attached to my report :—

No. 1. Revenue Account.
No. 2. Statement of Income realized during 1902-1903.
No. 3. Statement of Town Duties collected and the refunds paid in 1902-1903.
No. 3 (A). Statement of net Town Duties collected from 1893-94 to 1902-03.
No. 4. Statement showing the final sanctioned expenditure grants for 1902-1903.
No. 5. Statement showing the expenditure for 1902-1903 as compared with the final sanctioned grants and with the actuals for the preceding year.
No. 6. Statement showing the Surplus Cash Balance on 31st March 1903.
No. 6 (A). Statement showing the amounts of loans raised up to 31st March 1903, the expenditure incurred therefrom, and the invested balances remaining on 31st March 1903.
No. 7. Statement showing the outstanding loans due by the Municipality on 31st March 1903.
No. 8. Statement showing the interest outstanding on different Municipal Loans on 31st March 1903.
No. 9. Statement of Assets and Liabilities up to 31st March 1903.
No. 9 (A). Statement showing the expenditure on different Loan Works up to 31st March 1903.
No. 9 (B). Statement showing the Invested Surplus Loan and Reserve Funds Balances on 31st March 1903 as compared with those on 31st March 1902.
No. 10. Statement showing the expenditure on plague operations during 1902-1903.
No. 11. Water Works Income and Expenditure Account.
No. 12. Water Works Assets and Liabilities.
No. 13. Statement of total Receipts and Disbursements for the year ending 31st March 1903.

Appendix No. 1.

Revenue Account for 1902-1903.

Revenue.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Taxation Proper.			
1. General Tax	27,10,559 4 8		
2. Wheel Tax and Tolls	3,71,012 15 0		
3. Town Duties	12,19,345 10 11		
4. Licenses	1,02,070 4 0		
5. Receipts from Government for Liquor Licenses ...	1,43,750 0 0		
6. Do. do. for Tobacco Duty ...	2,44,091 10 1		
		47,90,829 12 8	
Services rendered.			
7. Halalkhore Tax	7,95,984 7 5		
8. Water Tax and other Miscellaneous Water Works Revenue	15,13,976 3 0		
		23,09,960 10 5	
Returns from Property and Miscellaneous.			
9. Market Receipts	4,36,768 2 2		
10. Public Gardens	11,004 11 9		
11. Tramway Rent	50,053 14 10		
12. Contribution from Municipal Servants towards Pension, &c., Fund	22,759 0 0		
	Rs. a. p.		
13. Interest and Profit on Investments of Surplus Loan and other balances ...	1,37,039 7 11		
Interest on Sinking, Insurance, Worn-out Mains Renewal, School Building and Net Premia Funds Investments.	1,98,313 9 4		
	3,35,353 1 3		
14. Miscellaneous (*a*)...	2,18,958 12 2		
		10,74,897 10 2	
			81,75,688 1 3
Deficit			2,77,710 0 5
		Total Rs. ...	84,53,398 1 8

Expenditure.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
1. General Superintendence...	2,16,767 4 6		
2. Assessment and Collection and Revenue and Refund Audit Departments	2,92,938 12 7		
3. Fire Brigade	1,10,181 11 0		
4. Public Gardens—Maintenance and New Works ...	58,873 10 1		
5. Public Works (Engineer's) Department	15,02,151 11 7		
6. New Works	88,804 8 2		
7. Public Health Department	20,05,939 0 9		
8. Police Charges	5,97,504 1 8		
9. Education	1,10,473 12 1		
10. Hospitals	56,290 8 9		
11. Pensions, Gratuities and Compassionate Allowances...	68,852 1 11		
12. Contribution to the City Improvement Trust... ...	5,00,000 0 0		
		56,08,777 2 8	
13. Municipal Debt—			
Interest and Charges on Loans	21,09,233 15 1		
Reduction of debt and payment of Sinking Fund, including investment of interest accrued on Sinking Fund	6,02,127 3 6		
		27,11,361 2 7	
14. Investments—			
Worn-out Water Mains Renewal Fund	25,000 0 0		
Municipal Buildings Insurance Fund...	5,000 0 0		
Interest on the Insurance, Worn-out Mains Renewal, School Building and Net Premia Funds ...	28,135 10 2		
		58,135 10 2	
15. Miscellaneous (*b*)		75,124 2 8	
			84,53,398 1 8
		Total Rs. ...	84,53,398 1 8

	Rs. a. p.
(*a*) Miscellaneous Fines	12,004 5 2
Do. Receipts	1,40,026 8 9
Do. Fees	39,986 7 2
Do. Savings	3,965 8 10
Profit on Municipal Workshops	14,584 8 8
Actual Profit on sale of stores to contractors, &c...	4,295 9 1
Sale proceeds of unserviceable tools and plant, &c.	4,095 12 6
Total Rs. ...	2,18,958 12 2

	Rs. a. p.
(*b*) Discretional Contingencies	5,468 6 5
Auditors' Allowance	10,000 0 0
Election Expenses	954 0 10
Grain Compensation to Peons, &c.	12 0 0
Cost of engaging the services of Mr. T. Wheeler for verifying and auditing Municipal Stores and Stores Accounts	2,072 13 0
Cost of purchasing 400 copies of the compilation of Municipal matters prepared by Mr. L. W. Michael	4,000 0 0
Purchase of one dozen copies of Mr. James's Oriental Drainage	150 0 0
Contribution towards the cost of Coronation celebrations held in Bombay	25,000 0 0
Purchase of 5 sets of survey sheets	1,300 0 0
Loss or depreciation on Water Works Stores	364 3 6
Do. do. Stores (General Stores)	83 10 4
Cost of a casket to enclose the address of congratulations presented to His Most Gracious Majesty King Edward VII, Emperor of India, on the occasion of His Majesty's Coronation and of engrossing and illuminating the address	7,144 8 0
Difference between the cost of land originally reserved in Connaught Road for Health Department Stables in E. Ward and the cost of land in Agripada now utilized for the purpose	16,776 12 11
Cost of illuminating the address presented to their Royal Highnesses the Duke and Duchess of Connaught and of a silver casket to hold the address	1,797 11 3
Total ...	75,124 2 8

W. E. WAITE,
Chief Accountant.

W. L. HARVEY,
Municipal Commissioner.

Appendix

IN

STATEMENT showing the Net Receipts during the Financial Year 1902-03 from

PARTICULARS.	Actuals for 1901-02.	Budget Estimate for 1902-03.	Revised Estimate for 1902-03.	Actuals for 1902-03.
1	2	3	4	5
Taxation Proper.	Rs. a. p.	Rs.	Rs. a. p.	Rs. a. p.
General Tax at 10 per cent. (including Government and Port Trust Contributions)	25,72,000 14 6	25,59,000	25,68,952 6 10	25,81,510 9 5
Additional at ½ per cent. for Fire Brigade charges	1,27,570 1 8	1,28,000	1,28,447 9 2	1,29,048 11 3
	26,99,571 0 2	26,87,000	26,97,400 0 0	27,10,559 4 8
Wheel Tax and Tolls	3,40,746 15 5	3,52,000	3,36,000 0 0	3,71,012 15 0
Town Duties	8,62,123 2 6	10,75,000	11,35,000 0 0	12,19,345 10 11
Licenses—				
(*a*) Dangerous and Offensive Trades	67,191 0 0	63,000	68,000 0 0	72,288 0 0
(*b*) Streets and Buildings	3,155 0 0	4,100	4,100 0 0	4,230 0 0
(*c*) Land Conveyance, Music, &c., Licenses	22,387 6 7	27,900	27,900 0 0	25,552 4 0
Receipts from Government for Liquor Licenses	1,43,750 0 0	1,44,000	1,43,750 0 0	1,43,750 0 0
Do. do. Tobacco Duty	2,33,064 9 7	2,24,000	2,32,850 0 0	2,44,091 10 1
	43,71,989 2 3	45,77,000	46,45,000 0 0	47,90,829 12 8
Services rendered.				
Halalkhore Tax	7,88,438 11 3	7,72,000	7,77,000 0 0	7,95,984 7 5
Water Tax and other Misc. Water Works Revenue	15,47,120 4 3	14,47,000	14,84,000 0 0	15,13,976 3 0
	23,35,558 15 6	22,19,000	22,61,000 0 0	23,09,960 10 5
Returns from Property and Miscellaneous.				
Market Receipts	4,20,253 9 5	4,13,000	4,30,000 0 0	4,36,768 2 2
Public Gardens	9,955 5 9	9,000	9,500 0 0	11,004 11 9
Tramway Rent	50,053 14 10	1,00,000	50,053 14 10	50,053 14 10
Miscellaneous Fines	10,395 8 10	10,000	11,500 0 0	12,004 5 2
Do. Receipts	1,17,236 10 0	1,13,000	1,23,764 0 0	1,40,026 8 9
Do. Fees	43,765 4 7	40,000	38,500 0 0	39,986 7 2
Do. Savings	8,636 7 1	4,000	5,000 0 0	3,965 8 10
Contribution from Municipal Servants towards Pension, &c., Fund	19,617 15 10	19,000	19,500 3 0	22,759 0 0
Profit on Municipal Workshops	14,567 10 1	5,000	9,000 0 0	14,584 8 8
Actual Profit on Sale of Stores to Contractors, &c.	23,252 3 3	4,000	4,000 0 0	4,295 9 1
Sale proceeds of Unserviceable Tools and Plant, &c.	3,896 8 11	2,000	4,181 14 2	4,095 12 6
Interest and Profit on Investments of Surplus Loan and other Balances	1,62,066 9 3	1,20,000	1,20,000 0 0	1,37,039 7 11
Interest on 5, 4, and 3½ per cent. Municipal Loans Sinking Fund Investments	1,46,250 13 9	1,69,200	1,70,700 0 0	1,70,177 15 2
Interest on Municipal Buildings Fire Insurance Fund Investments	2,406 15 4	2,400	2,480 0 0	2,445 1 0
Interest on Worn-out Water Mains Renewal Fund Investments	18,395 6 5	19,300	19,420 0 0	19,260 1 6
Interest on Investments of the Net Premia, &c., Fund	6,465 0 3	4,100	4,360 0 0	4,399 0 7
Do. do. School Building Fund	1,965 7 11	2,000	2,040 0 0	2,031 7 1
	10,59,181 7 6	10,36,000	10,24,000 0 0	10,74,897 10 2
GRAND TOTAL Rs.	77,66,729 9 3	78,32,000	79,30,000 0 0	81,75,688 1 3
				Less
				Net Increase Rs.

W. E. WAITE,
Chief Accountant.

No. 2.

COME.

all sources as contrasted with the original Budget Estimate and the Revised Estimate.

As compared with the original Estimate.		As compared with the Revised Estimate.		As compared with the Actuals for 1901-02.	
More.	Less.	More.	Less.	More.	Less.
6	7	8	9	10	11
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
22,510 9 5	.....	12,558 2 7	.....	9,509 10 11	.....
1,048 11 3	.....	601 2 1	.....	1,478 9 7	.....
23,559 4 8	.....	13,159 4 8	.....	10,988 4 6	.....
19,012 15 0	.....	35,012 15 0	.....	30,265 15 7	.....
1,44,345 10 11	.....	84,345 10 11	.....	3,57,222 8 5	.....
9,288 0 0	.....	4,288 0 0	.....	5,097 0 0	.....
130 0 0	.....	130 0 0	.....	1,075 0 0	.....
.....	2,347 12 0	.....	2,347 12 0	3,164 13 5	.....
.....	250 0 0	.....	.....	.....	.....
20,091 10 1	.....	11,241 10 1	.....	11,027 0 6	.....
2,16,427 8 8	2,597 12 0	1,48,177 8 8	2,347 12 0	4,18,840 10 5	.....
23,984 7 5	.....	18,984 7 5	.....	7,545 12 2	.....
66,976 3 0	.....	29,976 3 0	.....	.....	33,144 1 3
90,960 10 5	.....	48,960 10 5	.....	7,545 12 2	33,144 1 3
23,768 2 2	.....	6,768 2 2	.....	16,514 8 9	.....
2,004 11 9	.....	1,504 11 9	.....	1,049 6 0	.....
.....	49,946 1 2	.....	.....	.....	.....
2,004 5 2	.....	504 5 2	.....	1,608 12 4	.....
27,026 8 9	.....	16,262 8 9	.....	22,789 14 9	.....
.....	13 8 10	1,486 7 2	.....	.....	3,778 13 5
.....	34 7 2	.....	1,034 7 2	.....	4,670 14 3
3,759 0 0	.....	3,258 13 0	.....	3,141 0 2	.....
9,584 8 8	.....	5,584 8 8	.....	16 14 7	.....
295 9 1	.....	295 9 1	.....	.....	18,956 10 2
2,095 12 6	.....	.....	86 1 8	199 3 7	.....
17,039 7 11	.....	17,039 7 11	.....	.....	25,027 1 4
977 15 2	.....	.....	522 0 10	23,927 1 5	.....
45 1 0	.....	.....	34 15 0	38 1 8	.....
.....	39 14 6	.....	159 14 6	864 11 1	.....
299 0 7	.....	39 0 7	.....	.....	2,065 15 8
31 7 1	.....	.....	8 8 11	65 15 2	.....
88,931 9 10	50,033 15 8	52,743 10 3	1,846 0 1	70,215 9 6	54,499 6 10
3,96,319 12 11	52,631 11 8	2,49,881 13 4	4,193 12 1	4,96,602 0 1	87,643 8 1
52,631 11 8		4,193 12 1		87,643 8 1	
3,43,688 1 3		2,45,688 1 3		4,08,958 8 0	

W. L. HARVEY,
Municipal Commissioner.

APPENDIX

STATEMENT showing the Quantity and Value of several Articles upon which Town Duty was

Duty collected by	Grain and Pulse at 4 Annas per Candy.			Flour of all sorts at 75 per cent of the rate at the time being levied on the grain from which the flour is prepared.			Wines and Spirits at 4 Annas per Gallon.			Beer at 6 Pies per Gallon.		
	Candies.	Furrahs.	Amount of Duty.	Candies.	Furrahs.	Amount of Duty.	Gallons.	Pints.	Amount of Duty.	Gallons.	Pints.	Amount of Duty.
Bombay Port Trust.			Rs. a. p.			Rs. a. p.			Rs. a. p.			Rs. a. p.
April 1902	2,36,796	6	59,199 3 3	0	1	0 0 6	79,865	7	19,966 7 4	1,10,735	4	3,460 7 9
May ..... ,,	2,38,579	7	59,644 15 3	12	5	2 6 0	73,702	5	18,425 10 8	1,13,721	4	3,553 12 9
June ..... ,,	1,40,435	1	35,108 12 6	.....	...	.....	77,834	4	19,458 10 0	96,086	0	3,002 9 6
July ..... ,,	1,73,864	1	43,466 0 9	.....	...	.....	80,859	1	20,214 12 6	90,819	0	2,838 1 6
August ..... ,,	1,57,458	8	39,364 11 9	2	5	0 8 0	67,705	2	16,926 5 0	91,890	0	2,871 9 6
September ..... ,,	1,20,919	2	30,229 13 3	.....	...	.....	78,858	6	19,714 11 1	91,263	4	2,851 15 9
October ..... ,,	79,653	1	19,913 4 6	.....	...	.....	89,237	5	22,309 6 6	1,10,267	7	3,445 13 11
November ..... ,,	27,840	7	6,960 3 3	.....	...	.....	77,396	7	19,349 3 8	1,05,535	4	3,297 15 9
December ..... ,,	39,101	2	9,775 5 0	9	...	1 11 0	1,07,683	3	26,920 13 7	1,54,002	4	4,812 9 3
January 1903	60,019	4	15,004 13 9	.....	...	.....	1,00,643	1	25,160 12 8	1,38,035	0	4,313 9 6
February ..... ,,	1,28,792	4	32,198 2 3	.....	...	.....	81,144	1	20,286 0 4	73,777	4	2,305 8 9
March..... ,,	76,079	1	19,019 12 3	0	3	0 1 0	99,868	2	24,967 1 3	1,00,429	4	3,138 6 9
Total...	14,79,540	4	3,69,885 1 9	24	6	4 10 6	10,14,799	4	2,53,699 14 7	12,76,560	3	39,892 8 2
G. I. P. Railway Company.												
April 1902	90,081	0	22,520 4 0	.....	...	.....	4	0	1 0 0	100	0	3 2 0
May ..... ,,	92,003	6	23,000 15 0	.....	...	.....	58	4	14 10 0	124	0	3 14 0
June ..... ,,	41,847	0	10,461 12 0	.....	...	.....	.....	...	.....	128	0	4 0 0
July ..... ,,	17,947	0	4,486 12 0	.....	...	.....	12	0	2 0 0	204	0	6 6 0
August ..... ,,	18,059	2	4,514 13 0	.....	...	.....	39	0	9 12 0	1,992	0	62 4 0
September ..... ,,	15,767	0	3,941 12 0	.....	...	.....	46	0	11 8 0	24	0	0 12 0
October ..... ,,	26,545	0	6,636 4 0	14	5	2 12 0	32	0	8 0 0	1,268	0	39 10 0
November..... ,,	73,524	2	18,381 1 0	.....	...	.....	36	0	9 0 0	1,012	0	31 10 0
December ..... ,,	78,595	4	19,648 14 0	33	3	6 4 0	30	0	7 8 0	368	0	11 8 0
January 1903	60,725	0	15,181 4 0	8	5	1 10 0	69	0	17 4 0	168	0	5 4 0
February ..... ,,	60,380	6	15,095 3 0	9	3	1 12 0	26	0	6 8 0	888	0	27 12 0
March ..... ,,	47,439	4	11,859 14 0	.....	...	.....	79	0	19 12 0	108	0	3 6 0
Total...	6,22,915	0	1,55,728 12 0	66	0	12 6 0	431	4	107 14 0	6,384	0	199 8 0
B. B. & C. I. Railway Co.												
April 1902	5,318	6	1,329 11 0	.....	...	.....	.....	...	.....	.....	...	.....
May ..... ,,	14,207	2	3,551 13 0	.....	...	.....	.....	...	.....	.....	...	.....
June ..... ,,	7,757	4	1,939 6 0	26	3	4 15 0	2	0	0 8 0	200	0	6 4 0
July ..... ,,	5,757	0	1,439 4 0	.....	...	.....	13	0	3 4 0	.....	...	.....
August ..... ,,	4,969	6	1,242 7 0	.....	...	.....	2	0	0 8 0	.....	...	.....
September..... ,,	3,778	2	944 9 0	.....	...	.....	.....	...	.....	.....	...	.....
October ..... ,,	9,719	6	2,429 15 0	.....	...	.....	23	4	5 14 0	.....	...	.....
November..... ,,	13,940	4	3,485 2 0	.....	...	.....	.....	...	.....	.....	...	.....
December ..... ,,	28,210	4	7,052 10 0	.....	...	.....	4	0	1 0 0	.....	...	.....
January 1903	25,881	6	6,470 7 0	.....	...	.....	40	0	10 0 0	.....	...	.....
February ..... ,,	24,804	6	6,201 3 0	.....	...	.....	4	0	1 0 0	.....	...	.....
March..... ,,	22,356	0	5,589 0 0	.....	...	.....	6	0	1 8 0	.....	...	.....
Total...	1,66,701	6	41,675 7 0	26	3	4 15 0	94	4	23 10 0	200	0	6 4 0
Grand Total...	22,69,157	2	5,67,289 4 9	117	1	21 15 6	10,15,325	4	2,53,831 6 7	12,83,144	3	40,098 4 2
Deduct— Refunds passed by the Revenue and Refund Audit Officer.....	*10,73,078	7	2,68,384 13 0	1,16,070	0	21,763 2 0	75,207	2	18,801 13 0	9,44,786	0	29,523 0 0
Net Revenue Rs...	11,96,078	3	2,98,904 7 9	.....	...	.....	9,40,118	2	2,35,029 9 7	3,38,408	3	10,575 4 2
Less— Refunds passed in excess of collections	.....	...	.....	1,15,952	7	21,741 2 6	.....	...	.....	.....	...	.....

ABSTRACT.

		Rs. a. p.	Rs. a. p.
Balance on 31st March 1902—			
	Port Trust	24,850 5 5	
	G. I. P. Railway Co.	17,643 13 3	
	B. B. & C. I. Railway Co.	1,467 13 0	
			43,961 15 8
Add— Collections in 1902-1903—			
	Port Trust	18,74,669 7 0	
	G. I. P. Railway Co.	2,98,301 15 9	
	B. B. & C. I. Railway Co.	1,40,922 8 0	
			23,13,893 14 9
			23,57,855 14 5
Deduct— Refunds paid in 1902-1903		11,13,678 14 0	
		Rs. a. p.	
Balance on 31st March 1903..	Port Trust	9,522 9 6	
	G. I. P. Railway Co.	13,551 5 0	
	B. B. & C. I. Railway Co.	1,757 7 0	
		24,831 5 6	
			11,38,510 3 6
Total Balance as per Book...			Rs. 12,19,345 10 11

W. E. WAITE,
Chief Accountant.

No. 3.

levied during 1902-1903 under Section 192 (1) of The City of Bombay Municipal Act, 1888.

Sugar at 8 Annas per Cwt.		Ghee at 8 Annas per Maund.			Timber at 2½ per Cent. on Market Value.		Firewood at 1 Anna per Candy.			Total Monthly Collections.
Cwts. qrs. lbs.	Amount of Duty.	Maunds.	Seers.	Amount of Duty.	Value.	Amount of Duty.	Candies.	Maunds.	Amount of Duty.	
	Rs. a. p.			Rs. a. p.	Rs. a. p.	Rs. a. p.			Rs. a. p.	Rs. a. p.
63,574 1 14	31,787 3 0	9,541	7	4,770 9 6	5,39,940 13 4	13,498 8 4	72,478	0	4,529 14 0	1,37,212 5 8
1,16,005 2 0	58,003 4 0	12,030	34	6,015 6 9	3,21,955 0 0	8,048 6 0	67,752	21	4,234 8 9	1,57,928 6 2
2,03,299 0 0	1,01,649 8 0	5,807	31	2,903 14 3	1,98,587 11 4	4,964 11 1	3,018	14	188 10 6	1,67,276 11 10
1,96,764 1 0	98,382 2 0	479	22	239 12 6	3,15,770 6 8	7,894 4 2	114	0	7 2 0	1,73,042 3 5
74,295 2 0	37,147 12 0	1,827	20	913 12 0	3,56,691 7 4	8,917 4 7	251	14	15 11 6	1,06,157 9 10
11,655 1 21	55,827 11 6	4,288	29	2,144 5 9	3,00,703 5 4	7,517 9 4	3,819	0	238 11 0	1,18,524 13 8
30,944 0 10	1,15,472 0 9	5,734	5	2,867 1 0	3,67,960 3 4	9,199 0 1	40,350	14	2,521 14 6	1,75,728 9 3
2,61,488 3 0	1,30,719 6 0	4,298	24	2,149 4 9	6,05,816 10 8	15,145 6 8	29,947	0	1,871 11 0	1,79,493 3 1
2,77,620 3 14	1,38,810 7 0	4,309	38	2,154 15 9	6,05,559 12 8	15,138 15 11	36,444	14	2,277 12 6	1,99,892 10 0
2,13,198 2 17	1,06,596 13 3	3,513	12	1,756 10 3	4,16,965 6 8	10,424 2 2	59,412	7	3,713 4 3	1,66,970 1 10
86,422 3 14	43,211 7 0	3,168	1	1,584 0 3	4,73,337 11 4	11,833 7 1	76,752	14	4,797 0 6	1,16,215 10 2
2,19,348 0 7	1,09,674 0 6	4,949	17	2,474 11 3	4,62,275 13 4	11,556 14 4	86,338	21	5,396 2 9	1,76,227 2 1
20,54,563 1 13	10,27,281 11 0	59,949	0	29,974 8 0	49,65,544 6 0	1,24,138 9 9	4,76,679	7	29,792 7 3	18,74,669 7 0
5,905 0 14	2,952 9 0	13,816	16	6,908 3 3	12,052 8 0	301 5 0	2,018	0	126 2 0	32,812 9 3
6,720 1 14	3,360 3 0	10,761	9	5,380 9 9	14,635 0 0	365 14 0	2,371	0	148 3 0	32,274 4 9
3,659 3 0	1,829 14 0	6,051	19	3,025 11 9	19,420 0 0	485 8 0	4,805	0	300 5 0	16,107 2 9
5,174 0 0	2,587 0 0	7,972	22	3,986 4 6	11,120 0 0	278 0 0	3,073	0	192 1 0	11,539 7 6
7,232 1 0	3,616 2 0	7,544	30	3,772 6 0	4,795 0 0	119 14 0	4,928	0	308 0 0	12,403 3 0
8,058 1 14	4,029 3 0	2,897	17	1,448 11 6	1,425 0 0	35 10 0	4,000	0	250 0 0	9,717 8 6
12,640 3 0	6,320 6 0	10,216	30	5,108 6 0	17,415 0 0	435 6 0	4,074	0	254 10 0	18,805 6 0
12,559 0 14	6,279 9 0	17,832	34	8,916 6 9	32,155 0 0	803 14 0	2,837	0	177 5 0	34,598 13 9
10,198 3 14	5,099 7 0	25,358	27	12,679 5 6	57,730 0 0	1,443 4 0	4,610	0	288 2 0	39,184 4 6
14,969 1 0	7,484 10 0	24,806	17	12,403 3 6	40,755 0 0	1,018 14 0	4,535	0	283 7 0	36,395 8 6
8,178 2 0	4,089 4 0	19,377	21	9,688 12 3	37,585 0 0	939 10 0	3,144	0	196 8 0	30,045 5 3
9,879 2 0	4,939 12 0	14,020	35	7,010 7 0	16,925 0 0	423 2 0	2,593	0	162 1 0	24,418 6 0
1,05,175 3 14	52,587 15 0	1,60,656	37	80,328 7 9	2,66,012 8 0	6,650 5 0	42,988	0	2,686 12 0	2,98,301 15 9
1 0 14	0 9 0	11,424	15	5,712 3 0	800 0 0	20 0 0	705	0	44 1 0	7,106 8 0
1 3 0	0 14 0	12,214	10	6,107 2 0	100 0 0	2 8 0	3,152	0	197 0 0	9,859 5 0
.....	.....	20,546	5	10,273 1 0	565 0 0	14 2 0	5,486	0	342 14 0	12,581 2 0
0 3 0	0 6 0	21,552	30	10,776 6 0	1,365 0 0	34 2 0	4,342	0	271 6 0	12,524 12 0
1 0 0	0 8 0	20,321	30	10,160 14 0	2,850 0 0	71 4 0	3,934	0	245 14 0	11,721 7 0
.....	.....	19,755	35	9,877 15 0	650 0 0	16 4 0	1,701	0	106 5 0	10,945 1 0
0 2 0	0 4 0	17,328	35	8,664 7 0	7 8 0	0 3 0	1,052	0	65 12 0	11,166 7 0
2 3 0	1 6 0	9,606	10	4,803 2 0	600 0 0	15 0 0	1,218	0	76 2 0	8,380 12 0
2 0 0	1 0 0	12,911	15	6,455 11 0	.....	.....	5,302	0	331 6 0	13,841 11 0
264 2 0	132 4 0	10,032	35	5,016 7 0	.....	.....	2,793	0	174 9 0	11,803 11 0
9 0 14	4 9 0	18,784	5	9,392 1 0	290 0 0	7 4 0	3,733	0	233 5 0	15,839 6 0
1 0 0	0 8 0	18,750	15	9,375 3 0	10 0 0	0 4 0	2,975	0	185 15 0	15,152 6 0
284 2 0	142 4 0	1,93,229	0	96,614 8 0	7,237 8 0	180 15 0	36,393	0	2,274 9 0	1,40,922 8 0
21,60,023 2 27	10,80,011 14 0	4,13,834	37	2,06,917 7 9	52,38,794 6 0	1,30,969 13 9	5,56,060	7	34,753 12 3	23,13,893 14 9
14,90,463 1 0	7,45,231 10 0	† 79,090	13	43,161 14 0	10,64,477 8 0	26,611 15 0	.....		.....	11,53,478 3 0
6,69,560 1 27	3,34,780 4 0	3,34,744	24	1,63,755 9 9	41,74,316 14 0	1,04,357 14 9	5,56,060	7	34,753 12 3	11,82,156 14 3
.....	.....	.....		.....	.....	.....	.....		.....	21,741 2 6

Net Revenue...Rs. 11,60,415 11 9

	Quantity. Candies. F.	Amount. Rs. a. p.
*Grain at 6 annas per candy	920 7	345 5 0
„ 4 „ „ ...	10,72,158 0	2,68,039 8 0
Total...	10,73,078 7	2,68,384 13 0

	Mds. S.	Rs. a. p.
†Ghee at 10 annas per maund.	28,933 28	18,083 9 0
„ 8 „ „ ...	50,156 25	25,078 5 0
Total...	79,090 13	43,161 14 0

W. L. HARVEY,
Municipal Commissioner.

Appendix No. 3 A.

Statement showing the net Revenue derived on different dutiable articles during the last ten years commencing from 1893-94.

Articles.	1893-94.	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.
	@ annas 4.	@ annas 2.	@ annas 2.	@ annas 2.	@ annas 2.	@ annas 4.	@ annas 6.	@ annas 6.	@ annas 4.	@ annas 4.
Grain	2,13,880 0 0	1,31,134 0 0	1,28,977 0 0	1,33,323 0 0	1,44,402 0 0	2,62,317 0 0	6,23,352 0 0	3,12,928 0 0	2,61,194 0 0	2,98,904 0 0
	@ annas 3.	@ annas 1-6.	@ annas 1-6.	@ annas 1-6.	@ annas 1-6.	@ annas 3.	@ annas 4-6.	@ annas 4-6.	@ annas 3.	@ annas 3.
Flour	*—18,674 0 0*	*—9,466 0 0*	*—10,189 0 0*	*—8,895 0 0*	*—5,486 0 0*	*—15,950 0 0*	*—28,006 0 0*	*—29,637 0 0*	*—18,856 0 0*	*—21,741 0 0*
	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.
Wines and Spirits ...	1,84,439 0 0	1,97,533 0 0	2,10,364 0 0	1,99,310 0 0	2,15,037 0 0	2,41,796 0 0	2,35,986 0 0	2,19,736 0 0	2,27,911 0 0	2,35,030 0 0
	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.
Beer	8,921 0 0	6,020 0 0	11,140 0 0	9,147 0 0	11,810 0 0	14,763 0 0	12,504 0 0	7,818 0 0	15,468 0 0	10,575 0 0

	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.
Sugar	1,34,258 0 0	2,25,897 0 0	2,09,927 0 0	1,59,595 0 0	3,53,485 0 0	1,20,787 0 0	2,25,358 0 0	3,27,058 0 0	2,47,922 0 0	3,34,780 0 0
	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 10.	@ annas 10	@ annas 10.	@ annas 10.	@ annas 8
Ghee	1,66,725 0 0	1,67,176 0 0	1,79,346 0 0	1,35,111 0 0	1,43,757 0 0	1,80,032 0 0	2,20,293 0 0	2,06,715 0 0	2,02,653 0 0	1,63,756 0 0
	@ 2½ %	@ 2½ %	@ 2½ %	@ 2½ %	@ 2½ %.	@ 2½ %	@ 2½ %	@ 2½ %	@ 2½ %	@ 2½ %
Timber	84,585 0 0	1,01,839 0 0	1,10,911 0 0	89,431 0 0	94,281 0 0	1,21,376 0 0	1,12,607 0 0	1,01,633 0 0	1,03,796 0 0	1,04,858 0 0
	@ annas 2.	@ anna 1.	@ anna 1.	@ anna 1.	@ anna 1.	@ annas 2.	@ annas 2.	@ annas 2.	@ anna 1.	@ anna 1.
Firewood	72,054 0 0	36,774 0 0	40,903 0 0	26,618 0 0	34,670 0 0	67,833 0 0	80,933 0 0	70,775 0 0	42,159 0 0	34,754 0 0
Total Rs...	8,46,188 0 0	8,56,907 0 0	8,81,379 0 0	7,43,640 0 0	9,91,956 0 0	9,92,954 0 0	14,83,027 0 0	12,17,026 0 0	10,82,247 0 0	11,60,416 0 0

W. E. WAITE,

Chief Accountant.

W. L. HARVEY,

Municipal Commissioner.

Appendix No. 4.

CONTRASTED STATEMENT showing the Original Budget Grants for 1902-1903, Renewed Grants for 1901-1902 and previous years, Additional Grants, Transfers, Modifications as per the Revised Estimates for 1902-1903, and the Grants as finally sanctioned.

PARTICULARS.	Original Grants sanctioned by the Corporation as per Section 129 of the Municipal Act.	Additional Grants sanctioned by the Corporation under Section 131 (1).	Additional Grants sanctioned by the Corporation in respect of unexpended balances of Grants for 1900-1901 and previous years required for expenditure in 1902-1903, and of transfers sanctioned in 1901-1902, but not utilized during that year.	Lapsed Grants for 1901-1902 renewed by the Standing Committee under Section 132.	Add Transfers as per Section 133 (1) *b* & *c* and 2.	Deduct Transfers as per Section 133 (1) *a* & *c*.	Total.	Less anticipated Savings as per Revised Estimates of expenditure for 1902-1903.	Final Sanctioned Grants.
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
GENERAL SUPERINTENDENCE—									
Corporation and Standing Committee's Establishment	57,320 0 0	8,149 7 7	.....	194 6 9	491 0 0	316 0 0	65,838 14 4	.....	65,838 14 4
Municipal Commissioner's Personal Office Establishment	55,741 0 0	1,709 4 0	.....	1,081 0 6	.....	35 12 0	58,495 8 6	.....	58,495 8 6
General Office Establishment	37,660 0 0	0 10 0	6,773 11 9	18,176 3 10	.....	.....	62,610 9 7	.....	62,610 9 7
Accounts and Expenditure Audit Establishment	69,400 0 0	28 4 0	.....	94 13 9	727 0 0	727 0 0	69,523 1 9	556 10 7	68,966 7 2
Total Rs.	2,20,121 0 0	9,887 9 7	6,773 11 9	19,546 8 10	1,218 0 0	1,078 12 0	2,56,468 2 2	556 10 7	2,55,911 7 7
ASSESSMENT AND COLLECTION DEPARTMENT—									
Property and Wheel Tax Establishment	1,56,225 0 0	780 0 0	.....	699 1 11	754 0 0	754 0 0	1,57,704 1 11	.....	1,57,704 1 11
Town Duty Collection	78,600 0 0	2,543 13 0	.....	4,109 11 8	470 0 0	470 0 0	85,253 8 8	1,804 8 2	83,449 0 6
Tolls Collection	2,016 0 0	.....	.....	.....	35 12 0	.....	2,051 12 0	.....	2,051 12 0
Licensing Establishment	31,264 0 0	17 0 3	.....	573 4 6	254 0 0	54 0 0	32,054 4 9	237 5 7	31,816 15 2
Revenue and Refund Audit Office Establishment	26,224 0 0	.....	.....	4 8 0	.....	.....	26,228 8 0	.....	26,228 8 0
Total Rs.	2,94,329 0 0	3,340 13 3	.....	5,386 10 1	1,513 12 0	1,278 0 0	3,03,292 3 4	2,041 13 9	3,01,250 5 7
FIRE BRIGADE	1,23,442 0 0	.....	530 0 0	2,629 2 4	700 0 0	1,102 0 0	1,26,199 2 4	4,499 15 11	1,21,699 2 5
MAINTENANCE OF PUBLIC GARDENS—									
Victoria Gardens—Maintenance	54,414 0 0	2,200 0 0	496 15 10	7,483 6 11	1,481 0 0	481 0 0	65,594 6 9	803 15 1	64,790 7 8
Do. —New Works	.....	.....	3,670 6 7	551 0 0	.....	.....	4,221 6 7	500 0 0	3,721 6 7
Elphinstone Circle Garden	1,660 0 0	.....	.....	30 0 0	.....	300 0 0	1,390 0 0	.....	1,390 0 0
Falkland Road do.	420 0 0	.....	.....	.....	.....	100 0 0	320 0 0	.....	320 0 0
Northbrook do.	1,526 0 0	.....	.....	.....	.....	300 0 0	1,226 0 0	.....	1,226 0 0
Sir C. Jehangir Mahim do.	628 0 0	.....	.....	.....	.....	200 0 0	428 0 0	.....	428 0 0
Bazaar Gate Street do.	652 0 0	.....	.....	.....	.....	.....	652 0 0	.....	652 0 0
Dick's Tank do.	370 0 0	.....	.....	.....	.....	.....	370 0 0	.....	370 0 0
Malabar Hill do.	730 0 0	.....	.....	.....	.....	100 0 0	630 0 0	.....	630 0 0
Total Rs.	60,400 0 0	2,200 0 0	4,167 6 5	8,064 6 11	1,481 0 0	1,481 0 0	74,831 13 4	1,303 15 1	73,527 14 3
PUBLIC WORKS (ENGINEER'S) DEPARTMENT—									
I. General Supervision and Miscellaneous Duties	54,968 0 0	2,759 15 9	.....	14 4 7	3,813 14 1	1,196 5 6	60,359 12 11	.....	60,359 12 11
II. DRAINAGE—									
A. Miscellaneous Drainage	1,34,053 0 0	2,875 2 10	14,502 7 2	7,128 7 11	3,950 0 0	5,944 0 0	1,56,565 1 11	4,121 5 6	1,52,443 12 5
B. Maintenance of Love Grove Pumping Station	1,10,289 0 0	.....	400 4 0	1,091 12 4	2,600 0 0	.....	1,14,381 0 4	.....	1,14,381 0 4
C. Maintenance of Sluices	3,840 0 0	.....	.....	.....	.....	.....	3,840 0 0	.....	3,840 0 0
D. Do. of Pumping Station, Colaba	28,738 8 0	.....	.....	623 2 11	.....	.....	29,361 10 11	.....	29,361 10 11
E. Air Compressor Station at Love Grove	33,893 8 0	.....	.....	10 0 0	1,500 0 0	5,100 0 0	30,303 8 0	.....	30,303 8 0
III. WATER WORKS MAINTENANCE	2,04,949 0 0	34,293 9 9	22,140 7 8	6,002 14 10	2,666 7 5	1,857 0 0	2,68,195 7 8	.....	2,68,195 7 8
IV. STREETS AND BUILDINGS—									
A. Inspection and Supervision	79,777 0 0	1,980 9 10	.....	200 15 0	3,692 12 0	.....	85,651 4 10	.....	85,651 4 10
B. Public Lighting	2,80,241 0 0	4,595 0 0	.....	1,944 11 1	.....	1,317 12 0	2,85,462 15 1	2,839 9 10	2,82,623 5 3
C. Road Watering	71,000 0 0	8,000 0 0	.....	8,115 13 0	.....	.....	87,115 13 0	.....	87,115 13 0
D. Roads, Foot-paths, &c.	3,90,868 0 0	.....	.....	44,942 7 6	.....	.....	4,35,810 7 6	.....	4,35,810 7 6
E. Street Improvements	1,00,000 0 0	8,256 0 0	.....	42,132 6 6	.....	.....	1,50,388 6 6	.....	1,50,388 6 6
F. Compensation for Insanitary Buildings demolished	3,250 0 0	.....	.....	8,491 10 10	.....	.....	11,741 10 10	.....	11,741 10 10
V. Cleaning, Lighting and Repairing Port Trust Wharves Roads	38,642 0 0	.....	.....	.....	.....	.....	38,642 0 0	.....	38,642 0 0
Total Rs.	15,34,509 0 0	62,760 6 2	37,043 2 10	1,20,698 10 6	18,223 1 6	15,415 1 6	17,57,819 3 6	6,960 15 4	17,50,858 4 2
Carried over	22,32,801 0 0	78,188 13 0	48,514 5 0	1,56,325 6 8	23,135 13 6	20,354 13 6	25,18,610 8 8	15,363 6 8	25,03,247 2 0

Appendix No. 4—*continued.*

PARTICULARS.	Original Grants sanctioned by the Corporation as per Section 129 of the Municipal Act.	Additional Grants sanctioned by the Corporation under Section 131 (1).	Additional Grants sanctioned by the Corporation in respect of unexpended balances of Grants for 1900-1901 and previous years required for expenditure in 1902-1903 and of transfers sanctioned in 1901-1902, but not utilized during that year.	Lapsed Grants for 1901-1902 renewed by the Standing Committee under Section 132.	Add Transfers as per Section 133 (1) *b* & *c* and 2.	Deduct Transfers as per Section 133 (1) *a* & *c*.	TOTAL.	Less anticipated Savings as per Revised Estimates of expenditure for 1902-1903.	Final Sanctioned Grants.
	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ..	22,32,801 0 0	78,188 13 0	48,514 5 0	1,56,325 6 8	23,135 13 6	20,354 13 6	25,18,610 8 8	15,363 6 8	25,03,247 2 0
WORKS	45,500 0 0	49,629 2 4	50,818 2 3	48,173 4 0	9,265 0 0	....	2,03,385 8 7	14,048 11 10	1,89,336 12 9
PUBLIC HEALTH DEPARTMENT—									
I. General Supervision	1,12,656 0 0	200 0 0	451 13 0	207 10 11	675 0 0	575 0 0	1,13,615 7 11	960 13 11	1,12,654 10 0
II. Conservancy Branch.....	16,38,820 0 0	9,769 5 5	85,289 0 9	42,921 10 0	4,054 12 0	12,460 6 8	17,68,394 5 6	38,402 12 8	17,29,991 8 10
III. Markets and Slaughter-houses	1,59,166 0 0	12,666 0 0	1,556 9 6	3,762 4 9	295 0 0	6,508 0 0	1,70,937 14 3	10,411 10 2	1,60,526 4 1
IV. Registration of Births and Deaths	44,634 0 0	.....	....	237 5 9	1,699 15 2	2,114 15 2	44,456 5 9	595 0 3	43,861 5 6
V. Cemeteries	19,674 0 0	85 0 0	48 0 0	83 12 2	1,576 0 0	....	21,466 12 2	....	21,466 12 2
VI. Laboratory	1,920 0 0	.....	....	7 0 0	1,000 0 0	....	2,927 0 0	....	2,927 0 0
VII. Mahaluxmi Dhobiwada	14,726 0 0	980 1 7	....	5,565 12 9	300 0 0	....	21,571 14 4	....	21,571 14 4
VIII. Infectious Diseases	55,478 0 0	.....	503 5 0	124 8 6	....	....	56,105 13 6	....	56,105 13 6
IX. Milch-cattle Stables and Rooms	6,474 0 0	383 10 3	....	429 1 9	50 0 0	....	7,336 12 0	1 13 8	7,334 14 4
X. Tank Conservancy	6,110 0 0	.....	....	....	90 0 0	....	6,200 0 0	514 13 10	5,685 2 2
XI. Rustomji Jamsetji Dharamsala, Falkland Road	377 0 0	.....	....	62 10 3	....	....	439 10 3	....	439 10 3
XII. Vaccination Contribution to Government..	17,702 0 0	.....	....	....	....	....	17,702 0 0	....	17,702 0 0
Koombharwada, Doougri and Curry Road Dispensaries ..	.....	.....	....	326 8 6	....	....	326 8 6	....	326 8 6
Census	.....	.....	193 9 6	.....	....	....	193 9 6	646 3 9	—452 10 3
Total Rs.	20,77,737 0 0	24,084 1 3	88,042 5 9	53,728 5 4	9,740 11 2	21,658 5 10	22,31,674 1 8	51,533 4 3	21,80,140 13 5
POLICE CHARGES	5,00,000 0 0	96,443 10 10	.....	.....	.....	.....	5,96,443 10 10	.....	5,96,443 10 10
Removal of an existing privy and the construction of a 2-chamber latrine on the water carriage system at the Bazaar Gate Police Station	.....	.....	958 2 0	.....	.....	.....	958 2 0	.....	958 2 0
Alterations to the Constables' Quarters at the Old Police Court buildings on Girgaum Road and to the Apothecaries' Quarters at the Police Hospital, Mazagon.....	.....	.....	.....	455 0 0	.....	.....	455 0 0	128 14 1	326 1 11
Total Rs.	5,00,000 0 0	96,443 10 10	958 2 0	455 0 0	.....	.....	5,97,856 12 10	128 14 1	5,97,727 14 9
EDUCATION—									
Primary Education	80,000 0 0	.....	.....	.....	.....	.....	80,000 0 0	.....	80,000 0 0
School for Deaf and Dumb Mutes..	1,800 0 0	.....	.....	.....	.....	.....	1,800 0 0	.....	1,800 0 0
Veterinary College	2,500 0 0	.....	.....	.....	.....	.....	2,500 0 0	.....	2,500 0 0
Victoria and Albert Museum ..	11,437 0 0	.....	.....	445 7 8	.....	.....	11,882 7 8	1,227 6 10	10,655 0 10
Victoria Jubilee Technical Institute	10,000 0 0	.....	.....	.....	.....	.....	10,000 0 0	.....	10,000 0 0
Joint Schools Committee Establishment.....	8,136 0 0	5 4 6	.....	.....	46 10 8	.....	8,187 15 2	.....	8,187 15 2
Total Rs.	1,13,873 0 0	5 4 6	.....	445 7 8	46 10 8	.....	1,14,370 6 10	1,227 6 10	1,13,143 0 0
HOSPITALS, &C.—									
Gokaldas Tejpal Hospital	36,000 0 0	.....	.....	.....	.....	.....	36,000 0 0	.....	36,000 0 0
Jaffer Sulleman Dispensary	3,000 0 0	.....	.....	.....	.....	.....	3,000 0 0	.....	3,000 0 0
Homeless Leper Asylum, Matoonga	18,000 0 0	.....	.....	.....	.....	.....	18,000 0 0	.....	18,000 0 0
Total Rs.	57,000 0 0	.....	.....	.....	.....	.....	57,000 0 0	.....	57,000 0 0
MISCELLANEOUS—									
Pensions, Gratuities and Compassionate Allowances	60,000 0 0	13,943 9 3	.....	878 0 1	.....	.....	74,821 9 4	.....	74,821 9 4
Discretional Contingencies	7,000 0 0	.....	.....	3,150 0 0	.....	.....	10,150 0 0	.....	10,150 0 0
Auditors' Allowance.....	10,000 0 0	.....	.....	.....	.....	.....	10,000 0 0	.....	10,000 0 0
Election Expenses.....	1,000 0 0	950 0 0	.....	.....	.....	.....	1,950 0 0	.....	1,950 0 0
Grain Compensation to Peons, &c.	.....	.....	.....	12 0 0	.....	.....	12 0 0	.....	12 0 0
MISCELLANEOUS—Carried over .. Rs.	78,000 0 0	14,893 9 3	.....	4,040 0 1	.....	.....	96,933 9 4	.....	96,933 9 4
Carried over..Rs.	50,26,911 0 0	2,48,350 15 11	1,88,332 15 0	2,59,127 7 8	42,188 3 4	42,013 3 4	57,22,897 6 7	82,301 11 8	56,40,595 10 11

Appendix No. 4—*concluded.*

Particulars.	Original Grants sanctioned by the Corporation as per Section 129 of the Municipal Act.	Additional Grants sanctioned by the Corporation under Section 131 (1).	Additional Grants sanctioned by the Corporation in respect of unexpended balances of Grants for 1900-1901, and previous years required for Expenditure in 1902-03 and of Transfers sanctioned in 1901-02 but not utilized during that year.	Lapsed Grants for 1901-1902 renewed by the Standing Committee under Section 132.	Add Transfers as per Section 133 (1) *b* & *c* and 2.	Deduct Transfers as per Section 133 (1) *a* & *c*.	Total.	Less anticipated Savings as per Revised Estimates of expenditure for 1902-03.	Final Sanctioned Grants.
1	2	3	4	5	6	7	8	9	10
Brought forward ..Rs	Rs. a. p. 50,26,911 0 0	Rs. a. p. 2,48,350 15 11	Rs. a. p. 1,88,332 15 0	Rs. a. p. 2,59,127 7 8	Rs. a. p. 42,188 3 4	Rs. a. p. 42,013 3 4	Rs. a. p. 57,22,897 6 7	Rs. a. p. 82,301 11 8	Rs. a. p. 56,40,595 10 11
Miscellaneous—Brought forward...	76,000 0 0	14,693 9 3	.....	4,040 0 1	.....	.....	96,933 9 4	....	96,933 9 4
Loss or depreciation on Water-Works Stores	.....	364 3 6	.....	.....	.....	.....	364 3 6	....	364 3 6
Loss and depreciation on Stores, General Stores	.....	83 10 4	.....	.....	.....	.....	83 10 4	....	83 10 4
Cost of a Casket to enclose the Address of Congratulations presented to His Most Gracious Majesty King Edward VII, Emperor of India, on the occasion of His Majesty's Coronation, and of engrossing and illuminating the address and all incidental expenses in connection with the preparation of the Casket and the Address ..	.....	.....	.....	7,200 0 0	.....	.....	7,200 0 0	....	7,200 0 0
Purchase of 5 sets of Survey sheets	.....	.....	.....	1,765 0 0	.....	.....	1,765 0 0	....	1,765 0 0
Purchasing 406 copies of the Compilation of Municipal Matters prepared by Mr. L. W. Michael..	....	4,000 0 0	.....	.....	.....	.....	4,000 0 0	....	4,000 0 0
Contribution towards the Coronation celebrations in Bombay	.....	25,000 0 0	.....	.....	.....	.....	25,000 0 0	....	25,000 0 0
Cost of engaging the services of Mr. Wheeler for verifying Muni. Stores and Stores Accounts.....	.....	2,100 0 0	.....	.....	.....	.....	2,100 0 0	....	2,100 0 0
Cost of illuminating the Address presented to their Royal Highnesses the Duke and Duchess of Connaught and of a Silver Casket to hold the Address	.....	2,000 0 0	.....	.....	.....	175 0 0	1,825 0 0	....	1,825 0 0
Purchase of one dozen copies of Oriental Drainage prepared by Mr. James	.....	150 0 0	.....	.....	.....	.....	150 0 0	....	150 0 0
Difference between the cost of land originally reserved in Connaught Road for Health Department Stables in E Ward and the cost of land in Agripada utilized for the same	.....	16,776 12 11	.....	.....	.....	.....	16,776 12 11	....	16,776 12 11
Total Rs.	78,000 0 0	65,368 4 0	.....	13,005 0 1	.....	175 0 0	1,56,198 4 1	....	1,56,198 4 1
Municipal Debt—									
Interest on Loans	20,07,310 11 8	2,05,395 13 0	72,042 8 5	65,422 6 11	.....	.....	23,50,171 8 0	2,698 0 0	23,47,473 8 0
Charges on Loans	8,840 0 0	.....	.....	1 0 0	.....	.....	8,841 0 0	....	8,841 0 0
Payments towards the Reduction of Debt	83,799 4 4	.....	2,500 0 0	.....	.....	.....	86,299 4 4	....	86,299 4 4
Payments towards the Investment of Sinking Fund	3,70,650 0 0	.....	.....	.....	.....	.....	3,70,650 0 0	....	3,70,650 0 0
Payments towards the Investment of interest accrued on Sinking Fund	1,69,200 0 0	1,500 0 0	.....	.....	.....	.....	1,70,700 0 0	....	1,70,700 0 0
Total Rs.	26,39,800 0 0	2,06,895 13 0	74,542 8 5	65,423 6 11	.....	.....	29,86,661 12 4	2,698 0 0	29,83,963 12 4
Investments—									
Municipal Buildings Fire Insurance Fund	5,000 0 0	.....	.....	.....	.....	.....	5,000 0 0	....	5,000 0 0
Interest realized on Fire Insurance Fund	2,400 0 0	80 0 0	.....	.....	.....	.....	2,480 0 0	....	2,480 0 0
Worn-out Water Mains Renewal Fund	19,300 0 0	120 0 0	.....	.....	.....	.....	19,420 0 0	....	19,420 0 0
Interest realized on Worn-out Mains Renewal Fund	25,000 0 0	.....	.....	.....	.....	.....	25,000 0 0	....	25,000 0 0
Interest realized on Net Premia Fund	4,100 0 0	299 0 7	.....	.....	.....	.....	4,399 0 7	....	4,399 0 7
School Building Fund	2,000 0 0	40 0 0	.....	.....	.....	.....	2,040 0 0	....	2,040 0 0
Total Rs.	57,800 0 0	539 0 7	.....	.....	.....	.....	58,339 0 7	....	58,339 0 7
Contribution to the City Improvement Trust	5,00,000 0 0	.....	.....	.....	.....	.....	5,00,000 0 0	....	5,00,000 0 0
Grand Total..Rs.	83,02,511 0 0	5,21,154 1 6	2,62,875 7 5	3,37,555 14 8	42,188 3 4	42,188 3 4	94,24,096 7 7	84,999 11 8	93,39,096 11 11
			6,00,431 6 1						

W. E. WAITE,
Chief Accountant.

W. L. HARVEY,
Municipal Commissioner.

Appendix No. 5.

EXPENDITURE.

STATEMENT showing the Actuals as compared with the Final Sanctioned Grants for 1902-03 as per Appendix No. 4 and the Actuals of the preceding year.

PARTICULARS.	Actuals for 1901-02.	Final sanctioned grants for expenditure during 1902-03 as per Appendix No. 4.	Actuals for 1902-03.	As compared with the final sanctioned grants as per column 3.		Amount proposed to be renewed in 1903-04 out of savings as per column 6.	Net savings.	As compared with the actuals for 1901-1902 as per column 2.	
				More.	Less.			More.	Less.
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
GENERAL SUPERINTENDENCE—									
Corporation and Standing Committees' Establishment ..	55,077 2 5	65,838 14 4	62,423 8 8	.....	3,415 5 8	2,180 6 0	1,234 15 8	7,346 6 3	.....
Municipal Commissioner's Personal Office Establishment	53,062 6 11	58,495 8 6	54,638 14 2	.....	3,856 10 4	892 8 3	2,964 2 1	1,576 7 3	.....
General Office Establishment ..	45,419 11 0	62,610 9 7	34,336 7 11	.....	28,274 1 8	26,950 14 4	1,323 3 4	.....	11,083 3 1
Accounts and Expenditure Audit Establishment..	59,476 14 1	68,966 7 2	65,368 5 9	.....	3,598 1 5	300 3 1	3,297 14 4	5,891 7 8	.....
	2,13,036 2 5	2,55,911 7 7	2,16,767 4 6	.....	39,144 3 1	30,323 15 8	8,820 3 5	14,814 5 2	11,083 3 1
ASSESSMENT AND COLLECTION DEPARTMENT—									
Property and Wheel Tax Establishment	1,50,300 7 2	1,57,704 1 11	1,53,496 9 7	.....	4,207 8 4	997 12 7	3,209 11 9	3,196 2 5	.....
Town Duty Collection	84,796 14 6	83,449 0 6	80,697 9 4	.....	2,751 7 2	.....	2,751 7 2	.....	4,099 5 2
Tolls Collection..	2,016 0 0	2,051 12 0	2,016 0 0	.....	35 12 0	35 12 0	.....	.....	.....
Licensing Establishment ..	28,704 2 6	31,816 15 2	31,002 14 2	.....	814 1 0	522 12 1	291 4 11	2,298 11 8	.....
Revenue and Refund Audit Establishment..	28,186 2 10	26,228 8 0	25,725 11 6	.....	502 12 6	.....	502 12 6	.....	2,460 7 4
	2,94,003 11 0	3,01,250 5 7	2,92,938 12 7	... ..	8,311 9 0	1,556 4 8	6,755 4 4	5,494 14 1	6,559 12 6
FIRE BRIGADE	1,21,727 9 1	1,21,699 2 5	1,10,181 11 0	.....	11,517 7 5	8,927 5 2	2,590 2 3	.....	11,545 14 1
MAINTENANCE OF PUBLIC GARDENS—									
Victoria Gardens { Maintenance ..	51,219 6 6	64,790 7 8	51,751 14 4	.....	13,038 9 4	9,681 8 10	3,357 0 6	532 7 10	.....
Victoria Gardens { New Works ..	2,893 11 4	3,721 6 7	3,510 11 1	.....	210 11 6	.....	210 11 6	616 15 9	.....
Elphinstone Circle Garden ..	927 9 9	1,390 0 0	1,139 14 5	.....	250 1 7	.....	250 1 7	212 4 8	.....
Falkland Road Garden	196 11 8	320 0 0	205 7 7	.....	114 8 5	.....	114 8 5	8 11 11	.....
Northbrook Garden	924 7 2	1,226 0 0	1,070 0 6	.....	155 15 6	.....	155 15 6	145 9 4	.....
Sir C. Jehangir Mahim Garden ..	333 2 1	428 0 0	385 6 8	.....	42 9 4	.....	42 9 4	52 4 7	.....
Bazaar Gate Street Garden ..	471 1 1	652 0 0	506 5 2	.....	145 10 10	.....	145 10 10	35 4 1	.....
Dick's Tank Garden	150 8 10	370 0 0	303 10 10	.....	66 5 2	.....	66 5 2	153 2 0	.....
Malabar Hill Garden	567 15 6	630 0 0	522 12 4	.....	107 3 8	.....	107 3 8	.....	45 3 2
	57,684 9 11	73,527 14 3	59,396 2 11	.....	14,131 11 4	9,681 8 10	4,450 2 6	1,756 12 2	45 3 2
PUBLIC WORKS (ENGINEER'S) DEPARTMENT—									
I. GENERAL SUPERVISION AND MISCELLANEOUS DUTIES.	52,418 1 5	60,359 12 11	57,000 2 6	.....	3,359 10 5	1,686 1 1	1,673 9 4	4,582 1 1	.....
II. DRAINAGE—									
A. Miscellaneous Drainage ..	1,08,113 0 0	1,52,443 12 5	1,30,781 15 7	.....	21,661 12 10	12,222 12 1	9,439 0 9	22,668 15 7	.....
B. Maintenance of LoveGrove Pumping Station..	1,15,681 5 1	1,14,381 0 4	1,12,060 4 3	.....	2,320 12 1	1,172 4 7	1,148 7 6	.....	3,621 0 10
C. Do. of Sluices ..	3,102 8 3	3,840 0 0	3,143 9 4	.....	696 6 8	.....	696 6 8	41 1 1	.....
D. Do. of Pumping Station, Colaba (Shone System).	30,927 9 3	29,361 10 11	26,720 14 0	.....	2,640 12 11	442 1 6	2,198 11 5	.....	4,206 11 3
E. Air Compressor Station at Love Grove (Shone System).	18,095 6 0	30,303 8 0	27,081 13 3	.....	3,221 10 9	4 8 0	3,217 2 9	8,986 7 3	.....
III. WATER WORKS MAINTENANCE	2,20,028 13 0	2,68,195 7 8	2,07,661 8 8	.....	60,533 15 0	43,599 1 5	16,934 13 7	.....	12,367 4 4
IV. STREETS AND BUILDINGS—									
A. Inspection and Supervision.	79,650 13 5	85,651 4 10	84,511 11 6	.....	1,139 9 4	652 6 0	487 3 4	4,860 14 1	.....
B. Public Lighting.. ..	2,63,606 3 1	2,82,623 5 3	2,71,165 12 2	.....	11,457 9 1	300 0 0	11,157 9 1	7,559 9 1	.....
C. Road Watering	78,386 5 8	87,715 13 0	79,197 2 3	.....	7,918 10 9	5,520 8 5	2,398 2 4	810 12 7	.....
D. Roads, Footpaths, &c. ..	3,22,782 9 1	4,35,810 7 6	3,80,613 4 6	.....	55,197 3 0	53,111 7 5	2,085 11 7	57,830 11 5	.....
E. Street Improvements ..	1,22,666 8 5	1,50,388 6 6	81,964 1 0	.....	68,424 5 6	68,424 5 6	.....	.....	40,702 7 5
F. Miscellaneous (Compensation for Insanitary Buildings demolished, &c.) ..	2,173 6 7	11,741 10 10	1,607 8 7	.....	10,134 2 3	9,907 12 9	226 5 6	.....	565 14 0
V. Cleaning, Lighting, and Repairing Port Trust Wharves, Roads ..	38,642 0 0	38,642 0 0	38,642 0 0	.....	.....	.....	.....	.....	.....
	14,56,274 9 3	17,50,858 4 2	15,02,751 11 7	.....	2,48,706 8 7	1,97,043 4 9	51,663 3 10	1,07,340 8 2	61,463 5 10
NEW WORKS	1,15,163 8 5	1,39,336 12 9	88,281 15 4	.....	1,01,054 13 5	82,692 0 9	18,362 12 8	.....	26,880 9 1
PUBLIC HEALTH DEPARTMENT—									
I. General Supervision ..	1,07,262 5 0	1,12,654 10 0	1,08,444 15 10	.....	4,209 10 2	130 10 7	4,078 15 7	1,182 10 10	.....
II. Conservancy Branch ..	15,58,541 5 7	17,29,991 8 10	16,08,753 12 5	.....	1,21,237 12 5	82,299 3 10	38,938 8 7	50,212 6 10	.....
III. Markets and Slaughter-houses.	1,42,834 1 1	1,60,526 4 1	1,44,157 5 10	.....	16,368 14 3	15,687 12 7	681 1 8	1,323 4 9	.....
IV. Registration of Births and Deaths	26,593 12 9	43,861 5 6	41,528 10 10	.....	2,332 10 8	.....	2,332 10 8	14,934 14 1	.....
V. Cemeteries	13,648 15 1	21,466 12 2	14,400 4 4	.....	7,066 7 10	1,549 10 2	5,516 13 8	751 5 3	.....
VI. Mahaluxmi Dhobiwada ..	16,648 1 1	21,571 14 4	20,515 11 8	.....	1,056 2 8	652 6 10	403 11 10	3,867 10 7	.....
VII. Milch-cattle Stables and Rooms	7,792 11 9	7,334 14 4	6,570 2 9	.....	764 11 7	270 0 0	494 11 7	.....	1,222 9 0
VIII. Tank Conservancy ..	5,050 4 2	5,685 2 2	5,146 12 10	.....	538 5 4	.....	538 5 4	96 8 8	.....
IX. Rustomjee Jamsetjee Dharamsala, Falkland Road.	157 14 2	439 10 3	248 8 8	.....	191 1 7	42 0 0	149 1 7	90 10 6	.....
PUBLIC HEALTH Dept. Carried over Rs. ..	18,78,529 6 8	21,03,532 1 8	19,49,766 5 2	.....	1,53,765 12 6	1,00,631 12 0	53,134 0 6	72,459 7 6	1,222 9 0
Carried over Rs. ...	22,57,889 2 1	26,92,583 14 9	23,69,717 9 11	.....	4,22,866 4 10	3,30,224 7 10	92,641 13 0	1,29,406 7 7	1,17,577 15 9

Appendix No. 5—*continued.*

PARTICULARS.	Actuals for 1901-1902.	Final sanctioned grants for expenditure during 1902-03 as per Appendix No. 4.	Actuals for 1902-03.	As compared with the final sanctioned grants as per column 3.		Amount proposed to be renewed in 1903-04 out of savings as per column 6.	Net savings.	As compared with the actuals for 1901-02 as per column 2.	
				More.	Less.			More.	Less.
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward .. Rs.	22,57,889 2 1	26,92,582 14 9	22,69 717 9 11	.....	4,22,866 4 10	3,30,224 7 10	92,641 13 0	1,29,406 7 7	1,17,577 15 9
PUBLIC HEALTH DEPT. Brought forward Rs. ..	18,78,529 6 8	21,03,532 1 8	19,49,766 5 2	.....	1,53,765 12 6	1,00,631 12 0	53,134 0 6	72,459 7 6	1,222 9 0
Laboratory	384 11 9	2,927 0 0	2,125 7 1	.....	801 8 11	.....	801 8 11	1,740 11 4	.....
Infectious Diseases	79,063 6 2	56,105 13 6	39,014 15 0	.....	17,090 14 6	338 4 4	16,752 10 2	.....	40,048 7 2
Vaccination (Contribution to Government)	16,375 7 0	17,702 0 0	15,757 8 1	.....	1,944 7 11	.....	1,944 7 11	.....	617 14 11
Dongri, Kumbharwada and Curry Road Dispensaries	12,700 0 9	326 8 6	326 8 6	.....	.....	.....	.....	.....	12,373 8 3
Census	20,011 5 2	—*452 10 3* Cr.	1,051 11 1	.....	599 0 10	.....	599 0 10	.....	21,063 0 3
	20,07,064 5 6	21,80,140 13 5	20,05,939 0 9	.....	1,74,201 12 8	1,00,970 0 4	73,231 12 4	74,200 2 10	75,325 7 7
POLICE CHARGES	5,00,000 0 0	5,98,443 10 10	5,98,443 10 10	.....	.....	.....	.....	98,443 10 10	.....
Removal of the existing privy and the construction of a two chamber latrine at the Bazaar Gate Police Station (on water-carriage system)	21 14 0	958 2 0	734 4 6	.....	223 13 6	.....	223 13 6	712 6 6	.....
Additions and alterations to the Quarters occupied by Police Inspector at Girgaum Back Road, and providing three dormer windows over the roof of the Apothecary's Quarters at the Mazagaon Police Hospital ..	.....	326 1 11	326 1 11	.....	.....	.....	.....	326 1 11	.....
	5,00,021 14 0	5,97,727 14 9	5,97,504 1 3	.....	223 13 6	.....	223 13 6	97,482 3 3	.....
EDUCATION—									
Primary Education	80,000 0 0	80,000 0 0	80,000 0 0	.....	.....	.....	.....	.....	.....
School for Deaf and Dumb Mutes.	1,800 0 0	1,800 0 0	1,800 0 0	.....	.....	.....	.....	.....	.....
Veterinary College	2,500 0 0	2,500 0 0	2,500 0 0	.....	.....	.....	.....	.....	.....
Victoria and Albert Museum ..	10,362 1 11	10,655 0 10	8,026 10 8	.....	2,628 6 7	51 15 2	2,576 7 5	.....	2,335 7 8
Victoria Jubilee Technical Institute	10,000 0 0	10,000 0 0	10,000 0 0	.....	.....	.....	.....	.....	.....
Joint Schools Committee's Establishment	7,851 0 0	8,187 15 2	8,147 1 10	.....	40 13 4	.....	40 13 4	296 1 10	.....
	1,12,513 1 11	1,13,143 0 0	1,10,473 12 1	.....	2,669 3 11	51 15 2	2,617 4 9	296 1 10	2,335 7 8
HOSPITALS—									
Goculdas Tejpal Hospital ..	36,000 0 0	36,000 0 0	35,290 8 9	.....	709 7 3	.....	709 7 3	.....	709 7 3
Jaffer Sulemau Dispensary ..	3,000 0 0	3,000 0 0	3,000 0 0	.....	.....	.....	.....	.....	.....
Homeless Leper Asylum at Matunga	18,000 0 0	18,000 0 0	18,000 0 0	.....	.....	.....	.....	.....	.....
	57,000 0 0	57,000 0 0	56,290 8 9	.....	709 7 3	.....	709 7 3	.....	709 7 3
MISCELLANEOUS—									
Pensions, Gratuities and Compassionate Allowances ..	56,429 15 4	74,821 9 4	68,852 1 11	.....	5,969 7 5	1,251 5 5	4,718 2 0	12,412 2 7	.....
Discretional Contingencies ..	2,884 1 7	10,150 0 0	5,468 6 5	.....	4,681 9 7	2,581 5 1	2,100 4 6	2,584 4 10	.....
Auditors' Allowance	10,000 0 0	10,000 0 0	10,000 0 0	.....	.....	.....	.....	.....	.....
Election Expenses	1,189 8 1	1,950 0 0	954 0 10	.....	995 15 2	.....	995 15 2	.....	235 7 3
Grain Compensation to Peons, &c..	5,877 13 9	12 0 0	12 0 0	.....	.....	.....	.....	.....	5,865 13 9
Expenses in connection with the valuation of the portion of ground occupied by the Municipal Workshops	9,948 8 2	.....	.....	.....	.....	.....	.....	.....	9,948 8 2
Loss or depreciation on certain obsolete Water Works stores	7,464 9 2	364 3 6	364 3 6	.....	.....	.....	.....	.....	7,100 5 8
Loss or depreciation on certain obsolete General stores	.....	83 10 4	83 10 4	.....	.....	.....	.....	83 10 4	.....
Purchase of 5 sets of survey sheets	1,055 0 0	1,765 0 0	1,300 0 0	.....	465 0 0	465 0 0	.....	245 0 0	.....
Cost of the telegram of condolence sent to His Majesty the King and Emperor on the lamented death of Her Majesty the Queen-Empress and of the Address sent to His Majesty	275 0 0	.....	.....	.....	.....	.....	.....	.....	275 0 0
Cost of engaging the services of Mr. T. Wheeler for verifying and auditing Municipal stores and stores accounts	.....	2,100 0 0	2,072 13 0	.....	27 3 0	.....	27 3 0	2,072 13 0	.....
Cost of purchasing 400 copies of the compilation of Municipal matters prepared by Mr. L. W. Michael.	.....	4,000 0 0	4,000 0 0	.....	.....	.....	.....	4,000 0 0	.....
Purchase of one dozen copies of Mr. James' Oriental Drainage..	.....	150 0 0	150 0 0	.....	.....	.....	.....	150 0 0	.....
MISCELLANEOUS—Carried over Rs.	95,134 8 1	1,05,396 7 2	93,257 4 0	.....	12,139 3 2	4,297 10 6	7,841 8 8	21,647 14 9	23,425 2 10
Carried over Rs. ..	49,34,488 7 6	56,40,595 10 11	50,39,925 0 9	.....	6,00,670 10 2	4,31,246 7 4	1,69,424 2 10	3,01,384 15 6	1,95,948 6 3

Appendix No. 5—*concluded.*

PARTICULARS.	Actuals for 1901-1902.	Final sanctioned grants for expenditure during 1902-1903 as per Appendix No. 4.	Actuals for 1902-1903.	As compared with the final sanctioned grants as per column 3.		Amount proposed to be renewed in 1903-1904 out of savings as per column 6.	Net savings.	As compared with the actuals for 1901-1902 as per column 2.	
				More.	Less.			More.	Less.
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ..	49,34,488 7 6	56,40,595 10 11	50,39,925 0 9	.....	6,00,670 10 2	4,31,246 7 4	1,69,424 2 10	3,01,384 15 6	1,95,948 6 3
MISCELLANEOUS Brought forward Rs.	95,134 8 1	1,05,396 7 2	93,257 4 0	.....	12,139 3 2	4,297 10 6	7,841 8 8	21,547 14 9	23,425 2 10
Contribution towards the cost of Coronation celebrations held in Bombay	.....	25,000 0 0	25,000 0 0	.....	.....	.....	.....	25,000 0 0	.....
Difference between the cost of land originally reserved in Connaught Road for Health Department stables in E. Ward and the cost of land in Agripada now utilized for the same	.....	16,776 12 11	16,776 12 11	.....	.....	.....	.....	16,776 12 11	.....
Cost of illuminating the address presented to their Royal Highnesses the Duke and Duchess of Connaught and of a silver casket to hold the address	.....	1,825 0 0	1,797 11 3	.....	27 4 9	.....	27 4 9	1,797 11 3	.....
Cost of casket for the address of congratulations presented to His Most Gracious Majesty King Edward VII, Emperor of India, and of engrossing and illuminating the address on the occasion of His Majesty's Coronation ..	.....	7,200 0 0	7,144 8 0	.....	55 8 0	55 8 0	.....	7,144 8 0	.....
	95,134 8 1	1,56,198 4 1	1,43,976 4 2	.....	12,221 15 11	4,353 2 6	7,868 15 5	72,266 14 11	23,425 2 10
CONTRIBUTION TO THE CITY IMPROVEMENT TRUST	4,81,000 0 0	5,00,000 0 0	5,00,000 0 0	.....	.....	.....	.....	19,000 0 0	.....
MUNICIPAL DEBT—									
Interest on Loans	20,43,150 10 0	23,47,473 8 0	21,00,420 8 0	.....	2,47,053 0 0	2,47,052 0 0	1 0 0	57,269 14 0	.....
Charges on Loans	8,490 13 1	8,841 0 0	8,813 7 1	.....	27 8 11	....	27 8 11	322 10 0	.....
Payment towards the reduction of Debt	87,700 5 10	86,299 4 4	61,299 4 4	.....	25,000 0 0	25,000 0 0	.....	.....	26,401 1 6
Payment towards the investment of Interest accrued on Sinking Fund	1,46,250 13 9	1,70,700 0 0	1,70,177 15 2	.....	522 0 10	.....	522 0 10	23,927 1 5	.....
Payment towards the investment of Sinking Fund	3,70,982 14 0	3,70,650 0 0	3,70,650 0 0	.....	.....	.....	.....	.....	332 14 9
	26,56,575 8 8	29,83,963 12 4	27,11,361 2 7	.....	2,72,602 9 9	2,72,052 0 0	550 9 9	81,519 9 5	26,733 15 6
INVESTMENTS—									
Municipal Buildings Fire Insurance Fund	5,000 0 0	5,000 0 0	5,000 0 0	.....	.....	.....	.....	.....	.....
Interest realized on the Net Premia, &c., Fund	6,491 7 3	4,399 0 7	4,399 0 7	.....	.....	.....	.....	.....	2,092 6 8
Interest realized on Fire Insurance Fund	2,406 15 4	2,480 0 0	2,445 1 0	.....	34 15 0	.....	34 15 0	38 1 8	.....
Worn-out Water Mains Renewal Fund	25,000 0 0	25,000 0 0	25,000 0 0	.....	.....	.....	.....	.....	.....
Interest realized on Worn-out Water Mains Renewal Fund ..	18,395 6 5	19,420 0 0	19,260 1 6	.. ..	159 14 6	.....	159 14 6	864 11 1	.....
School Building Fund	1,965 7 11	2,040 0 0	2,031 7 1	.....	8 8 11	.. ...	8 8 11	65 15 2	.....
Total Rs. ..	59,259 4 11	58,339 0 7	58,135 10 2	.....	203 6 5	.....	203 6 5	968 11 11	2,092 6 8
Grand Total Rs. ..	82,26,457 13 2	93,33,096 11 11	84,53,398 1 8	.....	8,85,698 10 3	7,07,651 9 10	1,78,047 0 5	4,75,140 3 9	2,48,199 15 3
							Deduct ..	2,48,199 15 3	
							Net Increase..Rs.	2,26,940 4 6	

W. E. WAITE,

Chief Accountant.

W. L. HARVEY,

Municipal Commissioner.

Appendix

SURPLUS

Statement showing the state of the Surplus Cash

Dr.

	Rs. a. p.	Rs. a. p.
To		
Sums Payable—		
Deposits, &c., in cash	2,89,855 14 11	
Do. on account of Contractors' Government Paper kept in office...	8,000 0 0	
Government of Bombay on account of Income Tax	93 13 8	
Cheques payable	49,544 7 10	
Loan Works Establishment	17,869 15 8	
		3,65,364 4 1
Reserve Stock per Contra	6,94,153 15 2	
Amount to be renewed in 1903-1904 for unpaid charges for and prior to 1902-1903	7,07,651 9 10	
		14,01,805 9 0
Stock Adjustment Account, Surplus and Obsolete Stores (W. Works) ...		5,602 12 8
		17,72,772 9 9
Balance at the close of the year 1902-1903—		
Minimum Cash Balance required by the Act	1,00,000 0 0	
Surplus Cash Balance	**14,64,913 10 2**	
		15,64,913 10 2
	Total Rs....	33,37,686 3 11

W. E. WAITE,
Chief Accountant.

No. 6.

CASH BALANCE.

Balance at the close of the year 1902-1903.

CR.

By		Rs. a. p.	Rs. a. p.
Cash Deposits and Investments—			
Cash balance in the office and Bank Treasuries		1,49,059 3 8	
Surplus Funds investments		20,41,665 0 5	
			21,90,724 4 1
Advances—			
To Loan Works—			
Expenditure on Loan Works as per Appendix No. 6 A, attached, including Plague expenses		4,10,36,762 0 4	
Less—			
Amount drawn from Loan Funds as per Appendix No. 6 A, attached...		4,07,98,803 7 5	
		2,37,958 8 11	
To Municipal and Plague Officers, &c.	40,801 1 11		
Miscellaneous Advances	42,355 10 6		
For Private and Departmental Works including Workshops	78,732 6 6		
For printing and stamping building and repair certificates and water application forms	1,056 0 0		
To Contractors	51,026 15 0		
		2,13,972 1 11	
			4,51,930 10 10
Reserve Stock—			
General		21,434 11 9	
Water Works		3,87,836 13 6	
Drainage		2,64,568 5 10	
Executive Engineer		3,372 1 1	
Parel Plague Stores		16,941 15 0	
			6,94,153 15 2
Reserve Stock current suspense account			877 5 10
		Total Rs....	33,37,686 3 11

W. L. HARVEY,
Municipal Commissioner.

Appendix No. 6-A.

Statement showing the Expenditure on Loan Works and the amounts invested and drawn from Loan Funds at 31st March 1903.

	Amount of Loan raised.	Amount invested.	Amount withdrawn.	Amount expended.
	Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.
DRAINAGE AND WATER WORKS (Rs. 26,94,000) LOAN OF 1878—				
Drainage, 1st Section	26,94,000	.....	26,94,000 0 0	16,52,449 12 9
Water Works (Bhandarwada)				10,16,830 13 3
	26,94,000	.....	26,94,000 0 0	26,69,280 10 0
SURFACE DRAINAGE WORKS	6,00,000	.....	6,00,000 0 0	6,00,000 0 0
SANITARY WORKS (44 LAKHS) LOAN—				
Surface Drainage Works (Rs. 13,22,134-3-3— Rs. 6,00,000)				7,22,134 3 3
Drainage (1883-84)				10,74,951 2 0
Do. (1884)	44,00,000	.....	44,00,000 0 0	4,01,080 11 5
Ripon Road				1,41,500 1 2
Other Sanitary Works...				87,110 9 6
Water Works				18,95,947 12 0
	44,00,000	.....	44,00,000 0 0	43,22,724 7 4
SANITARY WORKS (7 LAKHS) LOAN—				
Fort Drainage, &c.	7,00,000	.....	7,00,000 0 0	4,62,337 0 0
Water Works				1,42,241 5 4
	7,00,000	.....	7,00,000 0 0	6,04,578 5 4
DRAINAGE AND WATER WORKS (12 LAKHS) LOAN—				
Queen's Road Sewerage, &c.	12,00,000	.....	12,00,000 0 0	9,01,437 3 2
Water Works (Frere Road Main)				80,031 5 0
	12,00,000	.....	12,00,000 0 0	9,81,468 8 2
MISCELLANEOUS WORKS (10,08,500) LOAN—				
Drainage Works				58,396 14 10
Cross Road at Mahaluxmee Station, &c. ...				19,594 4 8
Nowrojee Hill Road	10,08,500	.....	10,08,500 0 0	70,089 2 0
Markets (Erskine Road, &c.)...				4,86,906 2 8
Water Works				1,16,214 3 2
	10,08,500	.....	10,08,500 0 0	7,51,200 11 4
HOUSE SULLAGE WATER CONNECTIONS, AGRIPADA (Rs. 2,48,000) LOAN	2,48,000	.....	2,48,000 0 0	2,33,533 12 10
VARIOUS SANITARY WORKS (35 LAKHS) LOAN—				
Drainage				13,864 7 3
New Roads at Agripada and elsewhere ...				15,28,581 1 9
Bhuleshwar Market Extension and Foras Road Market...	35,00,000	.....	35,00,000 0 0	3,72,855 15 1
Other Works				3,15,887 3 2
Water Works				8,72,574 9 10
	35,00,000	.....	35,00,000 0 0	31,03,743 5 1
TANSA WATER WORKS (147 LAKHS) LOAN ...	1,47,00,000	.....	1,47,00,000 0 0	1,46,96,383 7 0
MUNICIPAL BUILDING (INCLUDING FURNITURE, &C.) (8 LAKHS) LOAN	8,00,000	.....	8,00,000 0 0	7,33,060 3 0
FIRE BRIGADE QUARTERS, &C. (4½ LAKHS) LOAN	4,50,000	.....	4,50,000 0 0	4,03,320 6 1
Carried over ... Rs.	3,03,00,500	.....	3,03,00,500 0 0	2,90,99,293 12 2

No. 6-A.—*concluded.*

	Amount of Loan raised.	Amount invested.	Amount withdrawn.	Amount expended.
	Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ... Rs.	3,03,00,500	.....	3,03,00,500 0 0	2,90,99,293 12 2
23¼ LAKHS DRAINAGE, WATER WORKS, ROADS AND OTHER WORKS LOAN—				
Drainage	23,25,000	.....	23,25,000 0 0	17,44,602 15 5a
Falkland Road Overbridge				15,082 9 4
Wari Bunder Bridge				1,32,652 0 0
Other Works				5,890 14 1
Water Works				1,49,522 5 7
	23,25,000	.....	23,25,000 0 0	20,47,750 12 5
15¾ LAKHS SEWERAGE, WARI BUNDER, &C., ROADS, BURIAL GROUND AND CERTAIN WATER WORKS LOAN—				
Drainage...	15,75,000	.....	15,75,000 0 0	5,69,077 1 0
Wari Bunder and Victoria Roads, less Rs. 1,56,500 contributed by the Port Trust for Wari Bunder Road				1,61,337 12 5
Burial Ground				2,11,652 4 5
Water Works				5,083 7 2
	15,75,000	.....	15,75,000 0 0	9,47,150 9 0
25 LAKHS LOAN FOR SEWERAGE, &C., WORKS—				
Drainage	25,00,000	1,00,060 9 9	23,99,939 6 3	11,14,787 10 0
Water Works				1,042 5 0
Disposal of Town Sweepings and Land for Burial Ground				11,14,600 14 2
	25,00,000	1,00,060 9 9	23,99,939 6 3	22,30,430 13 2
19½ LAKHS LOAN FOR SEWERAGE, ROADS, &C., WORKS—				
Drainage...	19,25,000	13,10,520 15 11	6,14,479 0 1	3,09,323 7 10
Purchase of Land for Burning and Burial Grounds				41,495 15 8
	19,25,000	13,10,520 15 11	6,14,479 0 1	3,50,819 7 6
21¼ LAKHS LOAN FOR SEWERAGE AND WATER WORKS—				
Drainage	21,00,000	5,16,114 14 11	15,83,885 1 1	9,13,321 14 0
	21,00,000	5,16,114 14 11	15,83,885 1 1	9,13,321 14 0
EXECUTED OUT OF SAVINGS ON DIFFERENT LOANS—				
Drainage	.....	.....	.....	5,03,024 12 8
Water Works	.....	.....	.....	1,93,182 0 1
Markets	.....	.....	.....	40,117 15 9
Roads, &c.	.....	.....	.....	75,234 11 1
Miscellaneous Works	.....	.....	.....	1,01,266 3 7
	.....	.....	.....	9,12,825 11 2
ADVANCES FROM SURPLUS BALANCES—				
Drainage	.....	.....	.....	1,29,536 4 5
Water Works	.....	.....	.....	7,893 13 6
Roads and Overbridges	.....	.....	.....	40,667 1 4
Other Works	.....	.....	.....	54,326 5 5
	.....	.....	.....	2,32,423 8 8
LOAN FOR PLAGUE EXPENSES—				
Plague Expenses incurred from 1896-97 to 1902-1903 (deducting Rs. 14½ lakhs met from the Government Contribution) ...	20,00,000	.....	20,00,000 0 0	43,02,745 8 3
GRAND TOTAL ... Rs.	4,27,25,500	19,26,696 8 7	4,07,98,803 7 5	4,10,36,762 0 4

(a) Excluding Rs. 53,801-8-3 on account of excess expenditure incurred on the Colaba sewerage works which is shown under advances.

W. E. WAITE,
Chief Accountant.

W. L. HARVEY,
Municipal Commissioner

Appendix

STATEMENT of Outstanding Loans due by the Municipality and

	Particulars of Loans.	Rate of Interest.	Balance due on 1st April 1902.	Amount raised in 1902-03.	Total.	Amount repaid in 1902-03.	Balance due on 31st March 1903.
	1	2	3	4	5	6	7
	Loans raised from Government.		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1	Vehar Water Works Debt	4 per cent....	24,73,559 14 7	.....	24,73,559 14 7	15,299 4 4	24,58,260 10 3
	Loans raised from the Public.						
2	Drainage Loan of 1878 (Rs. 26,94,000) ...	5 per cent....	17,73,000 0 0	.....	17,73,000 0 0	(a) 46,000 0 0	17,27,000 0 0
3	The Sanitary Works Loan of 1885-86 (Rs. 44 Lakhs)...	5 per cent....	37,39,000 0 0	.....	37,39,000 0 0	(b)	37,39,000 0 0
4	Do. do. of 1888 (Rs. 7 Lakhs)...	5 per cent....	7,00,000 0 0	.....	7,00,000 0 0	(b)	7,00,000 0 0
5	The Tansa Water Works Loan (Rs. 147 Lakhs)...	5 per cent....	1,47,00,000 0 0	.....	1,47,00,000 0 0	(b)	1,47,00,000 0 0
6	The Drainage and Water Works Loan of 1888 (Rs. 12 Lakhs)	5 per cent....	12,00,000 0 0	.....	12,00,000 0 0	(b)	12,00,000 0 0
7	The Miscellaneous Works Loan of 1888-89 (Drainage and Water Works, Markets and Roads) of Rs. 10,08,500	5 per cent....	10,08,500 0 0	.....	10,08,500 0 0	(b)	10,08,500 0 0
8	Agripada House Sullage Water Connections Loan of 1889-90 of Rs. 2,48,000	5 per cent....	2,48,000 0 0	.....	2,48,000 0 0	(b)	2,48,000 0 0
9	35 Lakhs Various Sanitary Works Loan of 1890-91	5 per cent....	35,00,000 0 0	.....	35,00,000 0 0	(b)	35,00,000 0 0
10	Municipal Building Loan of 1891 (Rs. 8 Lakhs)...	5 per cent....	8,00,000 0 0	.....	8,00,000 0 0	(b)	8,00,000 0 0
11	Loan of 4½ Lakhs for Fire Brigade Quarters and Stations	4 per cent....	4,50,000 0 0	.....	4,50,000 0 0	(b)	4,50,000 0 0
12	Loan of 42 Lakhs for repayment of the Balance of the 4½ per cent. Government Consolidated Loan	4 per cent....	42,00,000 0 0	.....	42,00,000 0 0	(b)	42,00,000 0 0
13	Loan of 23¼ Lakhs for Drainage and other Works	4 per cent....	23,25,000 0 0	.....	23,25,000 0 0	(b)	23,25,000 0 0
14	Loan of 15¾ Lakhs for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (1st instalment of Rs. 10 Lakhs)...	3½ per cent...	15,75,000 0 0	.....	15,75,000 0 0	(b)	15,75,000 0 0
	Do. do. (2nd instalment of Rs. 5¾ Lakhs)...	4 per cent....					
15	25 Lakhs Loan for Sewerage and other Sanitary Works	4 per cent....	25,00,000 0 0	.....	25,00,000 0 0	(b)	25,00,000 0 0
16	20 Lakhs Permanent Loan for Plague purposes	4 per cent....	12,00,000 0 0	8,00,000 0 0	20,00,000 0 0	(b)	20,00,000 0 0
17	19¼ Lakhs Loan for Sewerage, Roads and other Sanitary Works	4 per cent....	19,25,000 0 0	.....	19,25,000 0 0	(b)	19,25,000 0 0
18	24¾ Lakhs Loan for certain Sewerage and Water Works	4 per cent...	17,00,000 0 0	4,00,000 0 0	21,00,000 0 0	(c)	21,00,000 0 0
	Total of Loans raised from the Public...	Rs. ...	4,35,43,500 0 0	12,00,000 0 0	4,47,43,500 0 0	46,000 0 0	4,46,97,500 0 0
	GRAND TOTAL ...	Rs. ..	4,60,17,059 14 7	12,00,000 0 0	4,72,17,059 14 7	61,299 4 4	4,71,55,760 10 3

W. E. WAITE,
Chief Accountant.

No. 7.

the sums set aside as Sinking Fund at 31st March 1903.

Interest paid in 1902-03. 8	Total of columns Nos. 6 and 8. 9	Remarks.
Rs. a. p.	Rs. a. p.	
98,676 11 8	1,13,976 0 0	(a) The amount stipulated to be paid off on 1st January 1903 was Rs. 68,500, which, together with 5 unpaid debentures for Rs. 500 each for the preceding years, aggregated Rs. 71,000, against which the debentures actually surrendered for payment up to 31st March 1903, amounted to Rs. 46,000, leaving an unpaid balance of Rs. 25,000. This balance is represented by the following debentures :— No. 810—Repayable on 1st January 1893. Nos. 1856, 1857, 1908 to 1914 and 1921 to 1960 repayable on 1st January 1903. The unpaid debentures do not carry interest beyond the due dates and will be repaid from the renewed grant when the parties apply for payment.
83,575 0 0	1,29,575 0 0	(b) As under the terms of these Loans the bonds cannot be repaid to the holders before the dates stipulated in the Debentures, the Sinking Fund has been invested as under :—

	Amount of Sinking Fund invested up to 31st March 1902.	Sinking Fund Instalments paid in 1902-03.	Interest accumulations invested in 1902-03.	Total.	
	I.—5 Per cent. Loans.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1,83,637 8 0	44 Lakhs Sanitary Works Loan	8,10,867 7 8	30,550 0 0	40,505 1 3	8,81,922 8 11
31,437 8 0	7 Do. do. do.	1,16,833 5 5	6,000 0 0	5,852 7 9	1,28,685 13 2
7,54,200 0 0	147 Do. Tansa Water Works Loan ...	5,34,183 10 4	42,000 0 0	27,756 2 9	6,03,919 13 1
59,912 8 0	12 Do. Drainage and Water Works Loan	2,12,789 4 6	11,000 0 0	10,552 0 10	2,34,341 5 4
	Rs. 10,08,500 Miscellaneous Works Loan...	1,53,172 11 7	8,600 0 0	7,818 13 4	1,69,591 8 11
50,350 0 0	Rs. 2,48,000 Agripada House Sullage Water Connections Loan	37,923 3 9	2,400 0 0	1,854 9 1	42,177 12 10
	35 Lakhs Various Sanitary Works Loan ...	4,11,077 7 7	29,000 0 0	19,522 7 5	4,59,599 15 0
14,225 0 0	8 Lakhs Municipal Building Loan ...	89,701 14 5	7,000 0 0	4,592 5 2	1,01,294 3 7
	Total I. ...	23,66,549 1 3	1,36,550 0 0	1,18,433 15 7	26,21,533 0 10
1,60,962 8 0	In 5 per cent. Municipal Debentures at par lodged with the Bank of Bombay ...	23,66,500 0 0	2,54,983 15 7 2,55,000 0 0		26,21,500 0 0
40,000 0 0	Cash deposited with the Bank of Bombay.	49 1 3	—16 0 5		33 0 10
	II.—4 Per cent. Loans.				
14,940 0 0	4½ Lakhs Fire Brigade Quarters and Stations Loan	84,845 15 11	8,100 0 0	3,674 6 3	96,620 6 2
1,70,520 0 0	42 Lakhs Loan for repayment of the Balance of Government Consolidated Loan	7,08,789 4 0	75,500 0 0	29,239 12 9	8,13,529 0 9
88,600 0 0	23½ Lakhs Loan for Drainage and other Works	1,67,970 3 11	24,900 0 0	7,114 10 6	1,99,984 14 5
	15⅝ Lakhs Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (2nd instalment) ...	26,558 3 1	6,160 0 0	1,156 6 9	33,874 9 10
57,590 0 0	25 Lakhs Loan for Sewerage, Water, &c., Works	55,153 15 2	27,000 0 0	2,267 7 1	84,421 6 3
	19½ Lakhs Loan for Sewerage, Roads and other Sanitary Works	21,391 4 5	21,000 0 0	1,243 3 8	43,634 8 1
	20 Lakhs Loan for Plague charges ...	69,093 2 4	67,500 0 0	4,220 2 0	1,40,813 4 4
1,00,320 0 0	Total II. ...	11,33,802 0 10	2,30,160 0 0	48,916 1 0	14,12,878 1 10
52,862 10 4	In 4 per cent. Municipal Debentures and Bombay Improvement Trust Bonds lodged with the Bank of Bombay ...	11,33,483 2 0	2,79,076 1 0 2,79,000 0 0		14,12,483 2 0
	Cash deposited with the Bank of Bombay.	318 14 10	+76 1 0		394 15 10
74,188 8 0	*III.—3½ Per cent. Loans.*				
73,966 13 0	15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground, and Water Works (1st instalment) ...	73,509 15 9	12,040 0 0	2,827 14 7	88,377 14 4
	In 3½ per cent. Paper lodged with the Bank of Bombay	73,011 6 0	14,867 14 7 15,270 2 0		88,281 8 0
20,11,287 15 4	Cash deposited with the Bank of Bombay.	498 9 9	—402 3 5		96 6 4
21,09,964 11 8	GRAND TOTAL I, II and III...	35,73,861 1 10	3,78,750 0 0 5,48,927 15 2	1,70,177 15 2	41,22,789 1 0

(c) The Sinking Fund Instalment, amounting to Rs. 26,500 will be due on 1st June 1904.

(d) Excluding Rs. 5,395-13-0 paid by the Bank in 1901-02 which was debited to suspense account in that year for the reason stated at page 41 of the Report for 1901-02 and which has been adjusted against the proper head in 1902-03.

W. L. HARVEY,
Municipal Commissioner.

APPENDIX

STATEMENT showing the Interest outstanding on 1st April 1902 on the different
of Bombay during that year, and the

	Name of each Loan.	Dates when raised.	Authority.	
			Corporation Resolution.	Government Resolution.
	5 Per Cent. Loans.			
1	Drainage Loan of 1878 (Rs. 26,94,000)	1st November and 1st December 1878.	No. 1296 10-9-78.	No. 2951 28-9-78.
2	The Sanitary Works Loan of 1885-86 (Rs. 44,00,000) ...	Between 5th May 1885 and 30th March 1886.	Nos. 9021 8-12-81, 905 12-5-82 and 438 16-5-83.	Nos. 2660 384 17-7-82, 2-2-83, 3777 19-10-85,
3	The Sanitary Works Loan of 1888 (Rs. 7,00,000) ...	1st February 1888 ...	No. 991 13-10-86.	No. 1427 4-5-88.
4	The Tansa Water Works Loan (Rs. 1,47,00,000) ...	Between 5th June 1886 and 24th December 1891,	Nos. 1312 13-11-85 and 345 9-4-91.	Nos. 561 1008 1930 12-2-86, 16-3-86, 31-5-86 2876 3978 4193 21-9-87, 21-7-88, 8-10-89, 3392 3262-63. 23-8-90 and 15-9-91.
5	The Drainage and Water Works Loan of 1888 (Rs. 12,00,000).	1st January and 1st July 1888.	Nos. 894 20-7-87 and 1145 8-9-87.	No. 873 16-3-88.
6	The Miscellaneous Works Loan of 1888-89 (Drainage and Water Works, Markets, and Roads) (Rs. 10,08,500).	Between 1st November 1888 and 1st July 1889.	No. 29. 4-4-88.	No. 4138 24-11-88.
7	The Agripada House Sullage and Water Connections Loan of 1889-90 (Rs. 2,48,000).	Between 1st January and 1st July 1890.	No. 4688 8-10-88.	No. 17 3-1-90.
8	The Various Sanitary Works Loan of 1890-91 (Rs. 35,00,000).	Between 25th September 1890 and 1st January 1892.	Nos. 29 4-4-88, 5293 19-11-88, 5605 7-1-89, 572 13-5-89, 5152 25-11-89, 6235 23-1-90, 433 7-4-90 and 1488 22-5-90.	No. 3392 23-8-90.
9	The Municipal Building Loan of 1891 (Rs. 8,00,000) ...	24th December 1891...	No. 11551 9-2-91.	No. 3262 15-9-91.
	4 Per Cent. Loans.			
10	The Loan for Fire Brigade Quarters and Stations (Rs. 4,50,000).	23rd December 1892, 30th November and 1st December 1893.	No. 5144 8-8-92.	No. 2501 14-6-92.
11	The Loan for repayment of the balance of the 4½ per cent. Government Consolidated Loan (Rs. 42,00,000).	28th and 29th June 1893.	No. 13956 23-3-93.	No. 1989 6-6-93.
12	The Loan for Drainage and other Works (Rs. 23,25,000).	12th and 31st January 1894 and 11th and 15th July 1895.	No. 6222 28-9-93.	Nos. 809 3-3-94 and 3764. 9-10-94.
13	The Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (Rs. 15,75,000, of which the 2nd instalment of Rs. 5,75,000 was raised at 4 per cent.).	17th July 1899 ...	Nos. 504 12-4-94, 13697 7-3-95, 8992 7-11-95, 8976 7-11-95, 12034/5 4-2-97 and 14435 25-3-97.	Nos. 3501 883 2320 22-8-95, 22-2-96, 3-6-99 and 2643 23-6-99.
14	The Loan for Sewerage and other Sanitary Works (Rs. 25,00,000).	17th and 18th July 1899.	Nos. 8976 12034/5 7-11-95, 4-2-97, and 14435 25-3-97.	Nos. 3841 28-8-97 and Telegram 26-7-98.
15	The Loan for Sewerage, Roads and other Sanitary Works (Rs. 19,25,000).	18th and 19th July 1899 and September 1900.	No. 628 18-4-98.	No. 4960 5-9-98.
16	The Permanent Loan for Plague purposes (Rs. 20,00,000).	6 lakhs raised between 15th July and 20th December 1899, 6 lakhs raised in November 1900 and 8 lakhs raised between 12th August and 9th October 1902.	No. 8099 6-12-97.	No. 4960 5-9-98.
17	The Loan for certain Sewerage and Water Works (Rs. 24,75,000).	6 lakhs raised between 15th June and 1st July 1901, 11 lakhs raised between 23rd August and 31st October 1901, and 4 lakhs raised between 19th August and 28th October 1902.	No. 1956 14-5-1900.	No. 3427 15-6-1901.
	3½ Per Cent. Loans.			
13A	The Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and Water Works (Rs. 15,75,000, of which the 1st instalment of Rs. 10 lakhs was raised at 3½ per cent.).	1st December 1896 ...	(*Vide* Loan No. 13)...	(*Vide* Loan No. 13).

W. E. WAITE,

Chief Accountant.

No. 8.

Loans, the amounts payable for the year 1902-03, the amounts paid by the Bank Balance outstanding on the 31st March 1903.

Date when Loan is repayable.	Interest outstanding on 1st April 1902.	Interest payable in 1902-03.	Total Interest due.	Less Interest paid by the Bank of Bombay.	Outstanding Balance on 31st March 1903.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1st January 1919 ...	24,200 0 0	88,525 0 0	1,12,725 0 0	83,575 0 0	29,150 0 0
1st July 1925 ...	22,150 0 0	1,86,950 0 0	2,09,100 0 0	1,83,637 8 0	25,462 8 0
1st February 1928 ...	12,437 8 0	35,000 0 0	47,437 8 0	31,437 8 0	16,000 0 0
Between 1st January 1928 and 1st January 1953.	95,312 8 0	7,35,000 0 0	8,30,312 8 0	7,54,200 0 0	76,112 8 0
1st January 1928 ...	9,875 0 0	60,000 0 0	69,875 0 0	59,912 8 0	9,962 8 0
1st October 1928 ...	550 0 0	50,425 0 0	50,975 0 0	50,350 0 0	625 0 0
1st July 1929 ...	1,825 0 0	12,400 0 0	14,225 0 0	14,225 0 0	.....
1st July 1930 ...	17,075 0 0	1,75,000 0 0	1,92,075 0 0	1,60,962 8 0	31,112 8 0
1st July 1931 ...	.....	40,000 0 0	40,000 0 0	40,000 0 0	.....
1st January 1923 ...	1,810 0 0	18,000 0 0	19,810 0 0	14,940 0 0	4,870 0 0
1st July 1923 ...	29,390 0 0	1,68,000 0 0	1,97,390 0 0	1,70,520 0 0	26,870 0 0
1st July 1935 ...	14,669 5 7	93,000 0 0	1,07,669 5 7	88,600 0 0	19,069 5 7
1st July 1936 ...	30 0 0	23,000 0 0	23,030 0 0	22,590 0 0	440 0 0
1st November 1939 ...	680 0 0	1,00,000 0 0	1,00,680 0 0	1,00,320 0 0	360 0 0
1st June 1940 ...	4,025 10 10	77,000 0 0	81,025 10 10	74,188 8 0	6,837 2 10
1st May 1920 ...	.....	55,012 0 8	55,012 0 8	a 52,862 10 4	2,149 6 4
1st June 1943 ...	5,244 14 11	71,622 15 4	76,867 14 3	73,966 13 0	2,901 1 3
1st July 1936 ...	.....	35,000 0 0	35,000 0 0	35,000 0 0	.....
Total Rs...	2,39,274 15 4	20,23,935 0 0	22,63,209 15 4	20,11,287 15 4	2,51,922 0 0

a Excluding Rs. 5,395-13-0 paid by the Bank in 1901-02 which was debited to Suspense Account in that year for the reason stated at page 41 of the Report for that year, and which was adjusted against the proper head in 1902-03.

W. L. HARVEY,
Municipal Commissioner.

Appendix

LIABILITIES AND ASSETS OF THE BOMBAY

Liabilities.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Debt.			
Due to Government—			
Vehar Debt		24,58,260 10 3	
Due to the Public—			
5 % *Loans.*			
Drainage Loan of 1878 (Rs. 26,94,000)	17,27,000 0 0		
44 Lakhs Sanitary Works Loan of 1885-86	37,39,000 0 0		
7 Lakhs Sanitary Works Loan of 1888	7,00,000 0 0		
12 Lakhs Drainage and Water Works Loan	12,00,000 0 0		
Miscellaneous Works Loan of Rs. 10,08,500	10,08,500 0 0		
Agripada House Sullage Water Connection Loan of Rs. 2,48,000	2,48,000 0 0		
35 Lakhs Various Sanitary Works Loan	35,00,000 0 0		
Tansa Water Works Loan of 147 Lakhs	1,47,00,000 0 0		
Municipal Building Loan of 8 Lakhs	8,00,000 0 0		
	2,76,22,500 0 0		
4 % *Loans.*			
4½ Lakhs Loan for Fire Brigade Quarters and Stations ...	4,50,000 0 0		
42 Lakhs Loan for Repayment of Balance of Government Consolidated Loan	42,00,000 0 0		
23½ Lakhs Loan for the construction of Drainage, Water, Roads and other Works	23,25,000 0 0		
15¾ Lakhs Loan for the construction of Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (2nd Instalment)	5,75,000 0 0		
25 Lakhs Loan for Sewerage, Water and other Sanitary Works	25,00,000 0 0		
19¼ Lakhs Loan for Sewerage, Roads and other Sanitary Works	19,25,000 0 0		
20 Lakhs Loan for Plague Expenses	20,00,000 0 0		
24¾ Lakhs Loan for Sewerage and Water Works (1st, 2nd and 3rd Instalments)	21,00,000 0 0		
	1,60,75,000 0 0		
3½ % *Loan.*			
15¾ Lakhs Loan for the construction of Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (1st Instalment)	10,00,000 0 0		
		4,46,97,500 0 0	
			4,71,55,760 10 3
DEPOSITS.			
Contractors', &c., deposits in cash	2,76,637 5 8		
Deposits on account of works performed for private parties.	13,218 9 3		
		2,89,855 14 11	
Contractors', &c., Government, &c., Paper Deposits (lodged at the Bank of Bombay)	2,19,800 0 0		
Contractors', &c., Government, &c., Paper Deposits (kept in Office)	8,000 0 0		
Deposit on account of Sir Mangaldas Nathoobhai's Clock ...	500 0 0		
		2,28,300 0 0	
		5,18,155 14 11	
Government of Bombay on account of Income Tax recovered from Establishments...	5 13 8		
Do. recovered from Owners of Public Land Conveyances.	88 0 0		
		93 13 8	
			5,18,249 12 7
Stock Adjustment Account, Surplus and Obsolete Stores (Water Works)			5,602 12 8
Loan Works Establishment			17,869 15 8
Cheques payable			49,544 7 10
Book value of Municipal land at Agripada, &c., transferred to the Improvement Trust			18,39,107 8 0
			4,95,86,135 3 0
Balance being Assets in excess of Liabilities ...			1,51,05,219 12 1
		Total Rs ..	6,46,91,354 15 1

W. E. WAITE,

Chief Accountant.

No. 9.

MUNICIPALITY AT 31ST MARCH 1903.

Assets.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
I. Cash Balance on 31st March 1903			1,49,059 3 8
II. Advances Recoverable—			
a. Cash advanced to Municipal and Plague Officers—			
To Municipal Officers	40,481 1 11		
„ Plague Officers	320 0 0	40,801 1 11	
b. Inter-departmental Charges—			
Workshops (Private and Departmental Works)	5,878 12 0		
Engineer's Department (Private Works)	70,575 5 2		
Engineer's Department (Departmental Works)	2,278 5 4	78,732 6 6	
c. Advances to Contractors		51,026 15 0	
d. Miscellaneous		43,411 10 6	2,13,972 1 11
			3,63,031 5 7
III. Investments—			
a. Surplus Fund Deposits...		20,41,665 0 5	
b. Loan Funds		19,26,696 8 7	
c. Sinking Funds		41,22,789 1 0	
d. Municipal Buildings Fire Insurance Fund	63,417 5 1		
e. Worn-out Water Mains Renewal Fund	4,57,262 12 4		
f. Net Premia Fund	(*a*) 37,995 9 6		
g. School Building Fund	60,388 12 4	6,19,064 7 3	
		87,10,215 1 3	
h. Contractors', &c., Paper Deposit	2,19,800 0 0		
i. Paper Deposit on account of Sir Mangaldas Nathoobhai's Clock	500 0 0	2,20,300 0 0	(*b*) 89,30,515 1 3
IV. Reserve Stock—			
General Stores		21,434 11 9	
Water Works Stores		3,87,836 13 6	
Drainage Stores		2,64,568 5 10	
Executive Engineer's Stores (Kerosine Oil)		3,372 1 1	
Parel Plague Stores...		16,941 15 0	6,94,153 15 2
Reserve Stock Current Suspense Account			877 5 10
V. Loan Works—Construction—			
a. Buildings and Sanitary Structures...		48,57,054 12 7	
b. Roads and Bridges		27,27,978 5 8	
c. Drainage (including Buildings)...		1,13,90,025 5 8	
d. Water Works (do.)		2,77,25,408 2 5	
e. Cemeteries (Burning and Burial Grounds)		5,81,094 13 9	
f. Disposal of Town Sweepings		9,92,427 9 5	
g. Miscellaneous		51,844 13 10	
		(*c*)4,83,25,833 15 4	
VI. Unbooked Property		(*d*) 45,37,835 11 11	5,28,63,669 11 3
VII. Other Property—			
Land transferred to Bombay Improvement Trust			18,33,107 8 0
		Total Rs. ..	6,46,91,354 15 1

(*a*) This belongs to Water Works Account.
(*b*) *Vide* Accompaniment **B**.
(*c*) *Vide* Accompaniment **A**.
(*d*) In addition to this, some properties, &c., acquired from current revenue since 1883-84 have remained unbooked.

W. L. HARVEY;
Municipal Commissioner.

Appendix No. 9-A.

Schedule of New Works, &c., carried out from Loan and Special Funds up to 31st March 1903.

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—Buildings and Sanitary Structures—			
Bandora Slaughter Houses	2,34,297 12 8		
Workshop and Store Shed	1,49,079 7 1		
Girgaum Police Court (Share of)	34,000 0 0		
Null Bazar Market	1,50,770 1 7		
Fort Market	22,066 7 11		
Bhuleshwar Market	64,780 15 4		
Arthur Crawford Market	11,39,410 11 6		
	17,94,405 8 1		
Less—Write off on account of Bhuleshwar Market ...	64,780 15 4	17,29,624 8 9	
44 *Lakhs Sanitary Works Loan—*			
Enlargement of Dhobi Lines at Mahaluxmi	28,499 12 3		
Chawl for Gowlies working at the Agripada Milch-Cattle Stables	6,129 13 6		
Health Department Stables at Bori Bunder	43,677 13 3		
Establishment Charges for the above three Works ...	8,803 2 6	87,110 9 6	
10,08,500 *Miscellaneous Works Loan—*			
Market at Colaba ... ... *	44,393 15 11		
Extension of Erskine Road Market ... ... †	3,99,758 0 0		
Extension of the Arthur Crawford Mutton Market ...	42,754 2 9	4,86,906 2 8	
35 *Lakhs Various Sanitary Works Loan—*			
Health Department Bullock Stables and Quarters for Scavengers	28,513 2 4		
Bhuleshwar Market Extension	3,22,817 1 11		
Labourers' Quarters in connection with the Arthur Crawford Market	9,518 14 3		
Foras Road Market	40,499 14 11		
Chawl for Halalkhores in Cursetji Suklaji Street ...	88,460 8 2	4,89,809 9 7	
8 *Lakhs Loan and Special Invested Fund—*			
Municipal Office Buildings		14,67,386 11 3	
4½ *Lakhs Fire Brigade Loan—*			
Land and Buildings for Fire Brigade		4,03,320 6 1	
Executed out of Savings on different Loans—			
Latrines at Colaba	15,411 7 3		
Constructing new Quarters for an Engineer and 10 Lascars at Sankli Tank Fire Brigade Station ...	13,537 13 11		
Portion of Cost of Site for the Colaba Market	28,060 0 0		
Currey Road Market	11,994 15 9		
Market at Chowpatti	63 0 0		
Health Department Stables in F. and G. Wards ...	68,120 8 2		
Construction of a Cook room in connection with the existing Engineer's Quarters and two Nahanis in connection with the Lascars' Quarters at Sankli Tank Fire Brigade Station	1,382 10 3	1,38,570 7 4	
Advanced from Surplus Balances—			
Health Department Bigaries' Chawl at Bori Bunder ...	50,058 0 7		
Do. Quarters for Halalkhores	4,268 4 10	54,326 5 5	
			48,57,054 12 7
		Carried over ...Rs.	48,57,054 12 7

* Exclusive of Rs. 21,940 paid out of the premia received on the Loan, and Rs. 28,060 paid out of Savings on different Loans.

† Exclusive of Rs. 31,908-11-11 paid out of the premia received on the Loan.

Appendix No. 9-A—*contd.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			48,57,054 12 7
B.—Roads and Bridges—			
Overbridges	1,97,563 0 1		
Foras Road	1,12,418 14 10		
Nowroji Hill Road	57,913 3 0		
		3,67,895 1 11	
44 *Lakhs Sanitary Works Loan—*			
Road from Bellasis Road across Old Race Course (including Establishment Charges)		1,41,500 1 2	
10,08,500 *Miscellaneous Works Loan—*			
Cross Road at Mahaluxmi Station from Clarke Road to Haines Road	19,594 4 8		
Road through Nowroji Hill	70,089 2 0		
		89,683 6 8	
35 *Lakhs Various Sanitary Works Loan—*			
Roads and Streets in Agripada and elsewhere... ...		15,28,581 1 9	
23¼ *Lakhs Loan—*			
Falkland Road Bridge	15,082 9 4		
Wari Bunder Bridge	1,32,652 0 0		
		1,47,734 9 4	
15¾ *Lakhs Loan—*			
Wari Bunder Road	2,86,942 2 1		
Victoria Road Extension	30,895 10 4		
		3,17,837 12 5	
Executed out of Savings on different Loans—			
Diversion of Arthur Road over the masonry culvert ...	16,266 11 1		
Acquisition of land at different places as sites for new Roads	8,968 0 0		
		25,234 11 1	
Advanced from Surplus Balances—			
Land for Overbridge at the junction of Fergusson and DeLisle Roads	656 0 0		
Land for Overbridge at Currey Road	7,388 3 10		
Land at Cavel Street	9,175 3 9		
Acquisition of the property of Karimbhoy Jumabhoy at Fergusson Road near the B. B. & C. I. Railway DeLisle Road level-crossing	16,403 9 9		
Acquisition of land at Gola Street	7,044 0 0		
		40,667 1 4	
Met out of the Nesbit Road Bridge Invested Fund—			
Nesbit Road Bridge (Portion of cost)		49,844 8 0	
Met out of the Road Improvement Fund—			
Spent on Special Street Improvements		19,000 0 0	
			27,27,978 5 8
C.—Drainage Works—			
Fort Sewers	78,627 4 8		
Kamatipura Drain	1,91,047 8 10		
Drains in Fanaswadi and Agiary Lane	1,852 12 3		
Branch Sewers, Bellasis Road	7,108 6 1		
		2,78,635 15 10	
C.—Drainage Works carried over ... Rs.		2,78,635 15 10	
Carried over ... Rs.			75,85,033 2 3

Appendix No. 9-A—*contd.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			75,85,033 2 3
C.—Drainage Works—*contd.*		2,78,635 15 10	
Surface Drainage Works executed out of the 6 Lakhs included in the Government Consolidated Loan and Rs. 8,12,000 included in the 44 Lakhs Loan—			
Widening Love Grove Sluices	1,57,326 7 7		
Culverts under the B. B. & C. I. Railway near Bellasis Road	1,791 0 8		
Khetwady Survey	5,599 10 0		
Raising level of Khetwady Roads	28,355 0 1		
Raising private compounds in Khetwady	25,336 2 1		
Three branch drains in Khetwady and storm-water entrances	31,711 15 6		
Intercepting drain, Tardeo District, and storm-water entrances	1,69,851 10 4		
Making connection between low level sewers and new main drains	2,610 8 10		
Intercepting drain from Pydhoni to Bellasis Road and storm-water entrances	3,03,229 3 9		
Enlarging old open main drain	71,318 13 5		
Laying a new 24" main and removing old 24" Tulsi main	74,226 14 0		
Constructing storage reservoir on the Flats and raising levels of manholes and sewers	1,86,225 12 6		
Establishment for the above works	1,21,413 0 0		
Contingencies	63,627 6 11		
Cleaning the Worli Storm-water drain and widening the channels south of the Love Grove sluices ...	79,510 9 7		
		13,22,134 3 3	
Drainage Loan of 1878—			
Main sewers...	4,92,691 8 2		
Pipe sewers	3,00,746 13 1		
Outfall sewer	2,55,766 10 0		
New pumping machinery	98,289 9 6		
New engine house	95,742 3 9		
Kamatipura Drainage	76,471 4 6		
Clerk Road Ovoid sewer	39,259 5 11		
Government Commission charges	5,211 15 9		
Preliminary expenses	13,429 6 5		
Departmental works	1,072 1 3		
Compensation for land	18,831 11 1		
Proportion of repairs to roads (opened for the works)	34,372 14 7		
Miscellaneous charges	22,302 15 7		
Establishment for the above works	1,45,000 0 0		
Contingencies	51,167 7 9		
Repairs to old Main Drain at Falkland Road	2,093 13 5		
	16,52,449 12 9		
Less—Write off on account of new Pumping Machinery ...98,289 9 6			
Do. do. Engine House... 95,742 3 9			
	1,94,031 13 3		
		14,58,417 15 6	
44 *Lakhs Loan*—			
House connections without privy fittings	6,32,080 1 7		
Shaft ventilators	44,947 0 6		
Closing storm-water openings in Frere Road Sewer...	17,108 9 6		
Two more pumping engines	98,438 1 9		
Queen's Road intercepting sewer	1,53,969 0 0		
House connection survey	4,561 13 3		
House connections, Kamatipura Drainage	34,977 7 5		
Establishment charges	88,869 0 0		
Pipe sewer from Clare Road along south portion of Haines Road and DeLisle Road	1,14,260 0 7		
Pipe sewer from Parel Workshop to Clerk Road Ovoid sewer	65,793 9 11		
Extension of Clerk Road Ovoid sewer to Parel Road...	35,569 8 0		
Ovoid sewer across the old Race Course	59,746 13 2		
Ovoid sewer from the Crawford Market down Hornby Road to Bazar Gate and thence to the Mint ...	89,401 11 9		
Establishment	36,309 0 0		
	14,76,031 13 5		
Less—Write off on account of two more Pumping Engines.	98,438 1 9		
		13,77,593 11 8	
C.—Drainage Works carried over ...Rs.		44,36,781 14 3	
Carried over ...Rs.			75,85,033 2 3

Appendix No. 9-A—*contd.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			75,85,033 2 3
C.—Drainage Works—*contd.*		44,36,781 14 3	
7 *Lakhs Sanitary Works Loan*—			
Adjustment of the extra expenditure incurred on the Queen's Road intercepting sewer	9,633 10 8		
Fort Drainage	3,68,422 5 9		
Establishment charges	39,419 0 0		
New Works at Love Grove Pumping Station... ...	34,645 9 6		
Construction of a side drain along Wari Bunder Road	4,934 0 1		
Construction of a pipe sewer in certain lanes in Khetwady	5,282 6 0	4,62,337 0 0	
12 *Lakhs Loan*—			
Queen's Road Pipe sewer including contingencies ...	6,09,998 4 2		
Queen's Road house connections	2,05,306 0 9		
Establishment and contingencies	86,132 14 3	9,01,437 3 2	
10,08,500 *Miscellaneous Works Loan*—			
Extension of Parel Road storm-water drains from Bellasis Road to ½rds the length of Ripon Road...	41,106 6 9		
9" Pipe sewer along Bellasis Road, Foras Road and Gilder Street	17,290 8 1	58,396 14 10	
2,48,000 *Agripada House Sullage Water-connection Loan*—			
House Sullage Water-connections at Agripada... ...		2,33,533 12 10	
35 *Lakhs Various Sanitary Works Loan*—			
Sewer flushing arrangements		13,864 7 3	
23¼ *Lakhs Loan*—			
Pumps and steam engine for the working of the Love Grove Pumping Station	4,63,345 8 6		
Sewerage of Colaba...	8,10,220 8 3		
Sewerage of Umarkhadi District	3,53,786 5 9		
Storm-water drains in Moreland, Souter, Club and Gilder Streets	79,644 0 2		
Storm-water drains in different places	21,819 11 2		
Storm-water drains in Connaught and Sussex Roads ...	35,923 15 9		
Miscellaneous extensions and improvements of drains...	33,664 6 1	17,98,404 7 8	
15¾ *Lakhs Loan*—			
Sewerage of the Mazagon District on gravitation system	3,06,680 0 5		
Sewerage of Malabar and Khamballa Hills on gravitation system	1,31,666 0 1		
Sewerage of Fergusson Road and Chinchpokli District..	89,829 8 5		
Raising sewerage in Queen's Road sewer	1,862 0 0		
Sewerage of Old Race Course District on gravitation system	39,039 8 1	5,69,077 1 0	
25 *Lakhs Loan*—			
Machinery for the sewerage of Parel, Mazagon, &c., sectional districts	7,25,224 1 8		
Mazagon district, sectional...	3,52,785 4 2		
Storm-water drain from Wellington Fountain *via* Bandstand to the sea	36,778 4 2	11,14,787 10 0	
19¼ *Lakhs Loan*—			
Improvements in the road side drains along Bhoiwada Cross Road and new side drains along portions of Dadar Road, &c.	24,888 5 10		
Surface drainage of Kamatipura	83,440 9 2		
Storm-water drain in Tardeo Road	1,54,394 4 6		
Low level channel from the Tardeo Flats to Worli Point	46,600 4 4	3,09,323 7 10	
C.—Drainage Works carried over ...Rs.		98,97,943 14 10	
Carried over ... Rs.			75,85,033 2 3

Appendix No. 9-A—*contd.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			75,85,033 2 3
C.—Drainage Works—*contd.*....		98,97,943 14 10	
24¾ Lakhs Loan—			
Sewerage of the Fergusson Road and Chinchpokli District on the sectional system	2,24,660 9 0		
Sewerage of the Parel District on the sectional system...	4,06,211 6 5		
Completion of house drainage connections in different parts of the city	2,82,449 14 7		
		9,13,321 14 0	
Executed out of savings on different Loans—			
Pipe sewer in Currey Road	2,595 15 5		
Main sewerage of Parel	22,121 7 8		
Arching over with brick masonry the main drain at the Arthur Road crossing	15,655 0 4		
9" Pipe sewer at Lalwadi	2,087 8 2		
Laying branch pipe sewers in the village of Parel ...	17,527 13 11		
Completing the storm-water drain from the top of Bazar Gate Street to the Salvation Army Hall, Hornby Road.	14,460 2 7		
Sewerage of Parel on the gravitation system	62,081 1 5		
Storm-water drain in Cruickshank Road	17,337 6 0		
Laying a 9" pipe for the carriage of storm-water to the sea from the eastern half of Wodehouse Road ...	1,992 1 3		
Laying a 9" pipe line at the Parel village	878 7 3		
Constructing a catchpit on the Mint Road sewer opposite the European General Hospital	4,880 10 8		
Altering and ovoiding storm-water drain in Girgaum...	11,548 14 10		
Construction of a storm-water drain in Khetwadi ...	52,662 2 8		
Draining the storm-water from the public road round the Mahaluxmi Dhobiwada	1,156 0 3		
Converting the old engine house at Love Grove into an office and godown and constructing a shred-lifter chamber with 4 shred-lifters	25,031 4 1		
Tidal flaps on the ovoid sewers	11,025 14 0		
Drainage arrangements at Tardeo Road	2,292 0 8		
Laying 9" pipe sewer in Fergusson Cross Road ...	2,261 14 9		
Masonry drain from Girgaum Road and passing through Night-soil Depôt	21,317 6 7		
Opening out the public water-course behind Mr. Cama's property at Parel Road	3,362 6 7		
Laying a 12" Pipe from the emergent reservoir to manhole in Apollo Street	3,169 7 8		
Storm-water drains in different places	34,904 7 9		
Ovoiding and constructing masonry side drains in different places	17,895 11 11		
Ovoiding and constructing masonry side drains on Carroll Road north side	2,711 3 3		
Constructing storm-water drains and ovoiding and constructing masonry side drains in different places...	20,493 10 8		
Automatic flush tanks on pipe sewers	38,434 0 10		
Improving side drains, Malabar Hill	7,672 13 6		
Storm-water drains at Fergusson Road from DeLisle Road to the Water-course (3,200 feet) west of the Road	29,964 4 9		
Providing and constructing masonry side drain in Malabar Hill	7,346 11 0		
Providing and constructing masonry side drains (*a*) on Naigaum Cross Road on both sides from Vincent Road to Dadar and (*b*) east and west of Ghorupdeo Road...	5,239 5 6		
Constructing quarters for workmen at Love Grove Air Compressor Station (including purchase of land and an old chawl)	13 0 0		
Constructing additional quarters for Lascars at Love Grove	5,477 9 6		
Cutting out rocky barriers in the channel at Love Grove	116 6 0		
Surface Drainage in Queen's Road between the level crossing and Charni Road	1,435 6 0		
Masonry storm-water drain 18" × 18" in Apollo Street	1,888 15 9		
Open ovoid drain on the east side of DeLisle Road ...	1,390 2 7		
Zinc ventshafts on pipe sewers in the Fort Sewerage District	152 13 0		
Storm-water drain in Sankli Street	11,529 15 8		
Cost of obtaining advice from Mr. Santo Crimp in regard to House Connections, &c.	11,992 9 10		
Construction of permanent manholes over drains ...	168 4 11		
Masonry side drains at Malabar Hill from Gowalia Tank Road to the Government House...	7,223 15 3		
Tidal flaps on flushing drains for ovoid sewers... ...	1,528 2 3		
		5,03,024 12 8	
C.—Drainage Works carried over...Rs.		1,13,14,290 9 6	
Carried over ... Rs.			75,85,033 2 3

Appendix No. 9-A—*contd.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			75,35,033 2 3
C—Drainage Works—*contd.*	.....	1,13,14,290 9 6	
Advances from Surplus Balances—			
Establishment for the preparation of plans and estimates for the sewerage of Mazagon, Parel and Old Race Course Districts	10,338 0 0		
Tracing the plans and sections of the Parel, Mazagon, and Old Race Course Districts	658 15 0		
17 Catch-pits on pipe sewers	29,383 5 8		
7 Do. on Ovoid sewers	32,508 5 8		
Sewerage of the Malabar Hill District, Sectional ...	2,846 1 10		
		75,734 12 2	
			1,13,90,025 5 8
D.—*Water Works*—			
Vehar Lake (value of)	37,61,888 6 0	45,21,943 7 9	
Tulsi Water Works			
Vehar Outlet Tower...	2,38,111 10 0		
		40,00,000 0 0	
Drainage and Water Works Loan of 1878—			
Service Reservoir at Bhandarwada	.....	10,16,830 13 3	
44 *Lakhs Sanitary Works Loan*—			
Tulsi gathering ground	60,000 0 0		
Malabar Hill Reservoir	4,00,000 0 0		
New hydrants including cost of erection	20,876 7 1		
Tulsi gathering ground	34,500 0 0		
Construction of a double-storied chawl for the Water Works staff and quarters for the Superintendent ...	29,182 3 3		
Survey of new catch-water channels, &c.	7,838 4 1		
Construction of filter beds at Vehar	1,04,433 15 11		
Improvement of the water-supply of the outlying districts	6,82,065 0 8		
Raising the Tulsi Dams	1,13,257 9 7		
Providing additional catch water channels at Vehar and Tulsi	91,794 0 6		
Purchase of check meters for the prevention of waste of water	1,27,132 14 8		
Enlarging different mains...	1,05,130 8 6		
Cost of new water mains from Nesbit Road to Babula Tank	15,000 0 0		
Establishment charges	80,770 0 0		
Portion of excess cost of the Vehar Outlet Tower debitable to this Loan	23,684 11 9		
Provision of turbine at the Malabar Hill Reservoir.	2,282 0 0		
		18,95,947 12 0	
7 *Lakhs Sanitary Works Loan*—			
Malabar Hill Reservoir (extra cost)	1,14,039 2 6		
Increasing and improving the distribution of the water supply and providing higher levels, Tulsi District, with filtered water	20,211 8 4		
Portion of excess cost of Vehar Outlet Tower	7,990 10 6		
		1,42,241 5 4	
12 *Lakhs Drainage and Water Works Loan*—			
18" Main in Frere Road from the Bhandarwada Reservoir to Carnac Road and 12" main from Carnac Road to Mint		80,031 5 0	
10,08,500 *Miscellaneous Works Loan*—			
Concrete trench, waste weir, Vehar Lake	30,608 7 1		
Mains in 14 streets west of Frere Road and other mains in various places	59,275 1 8		
Arthur Road connection works necessitated by the laying of the Tansa 27" main	9,542 10 5		
Deacon's meters	16,788 0 0		
		1,16,214 3 2	
D.—Water Works carried over ... Rs.		1,17,73,208 14 6	
Carried over .. Rs.			1,89,75,058 7 11

Appendix No. 9-A—*contd.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward			1,89,75,058 7 11
D—Water Works—*contd.*		1,17,73,208 14 6	
35 *Lakhs Various Sanitary Works Loan*—			
Providing an asphalt surface to the floor of the settling basin of the Malabar Hill Reservoir and other works in connection therewith...	92,872 9 2		
Pawai Water Works	6,60,479 6 9		
Additional Water Mains	98,386 0 10		
Extension of Tulsi Catch Water Channel	20,836 9 1		
		8,72,574 9 10	
147 *Lakhs Tansa Loan*—			
Tansa Water Works including cost of survey		*1,46,96,383 7 0	
15¾ *Lakhs Loan*—			
Improvements of the outlet towers at Vehar and Tulsi		5,083 7 2	
25 *Lakhs Loan*—			
New mains in Reay Road, &c.		1,042 5 0	
23¼ *Lakhs Loan*—			
Extension of water mains in various places	28,026 6 5		
Further alterations and improvements at the Malabar Hill Reservoir	29,971 14 8		
Covering storage basin at the Bhandarwada Reservoir and constructing filters over it	91,052 13 0		
Road from Vehar to Tulsi with a light tramway to carry pipes	471 3 6		
		1,49,522 5 7	
Executed out of savings on different Loans—			
New mains in various places	28,803 1 1		
Covering storage basin at the Bhandarwada Reservoir and constructing filters over it	44,597 14 4		
Excess cost of Worli Road main	21,696 4 1		
Residence of the Chief Inspector, Water Works, at Babula Tank Road and rooms for 6 sluicemen ...	32,028 1 3		
24" and 27" mains from Malabar Hill Reservoir to Frere Fountain	50,093 1 2		
Connections at Chinchpokli between Tansa and Vehar Mains	7,402 1 4		
Laying water mains in Wellington Lines	4,397 9 5		
Renewing 3" main in B. Ward, with 4" pipes, extra cost chargeable to Capital	1,050 7 6		
Replacing 32" Vehar pipes from 1½ miles by 48" steel pipes	2,051 6 9		
9" main in DeLisle Road	1,062 1 2		
		1,93,182 0 1	
Advances from Surplus Balances—			
Constructing additional filters with a roof covering at the Malabar Hill Reservoir	5,467 10 7		
4" C. I. Mains along Wodehouse Road	2,426 2 11		
		7,893 13 6	
Paid out of the Worn-out Water Mains Renewal Fund—			
Cost of renewing 3" main in Worli Road with 9" pipes (chargeable to revenue)		26,517 3 9	
			2,77,25,408 2 5
Carried over Rs....			4,67,00,466 10 4

* Exclusive of Rs. 2,40,000 paid out of the Premia received on the Loan.

Appendix No. 9-A—*concld.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward			4,67,00,466 10 4
E—Cemeteries (Burning and Burial Grounds)—			
15¾ *Lakhs Loan—*			
Burial ground for Mahomedans and Beni-Israels ...		2,11,652 4 5	
19¼ *Lakhs Loan—*			
Purchase of two sites of land for burning and burial grounds at Mahim, including cost of enclosure walls, &c.		38,841 11 2	
25 *Lakhs Loan—*			
Purchase of land from Mr. Ashburner for extension of burial ground for Mahomedans	1,17,046 0 6		
Purchase of land in Narielwady for future extension of burial ground for Mahomedans	1,41,914 4 0		
Extension of burial ground at the Sewri Cemetery ...	71,640 9 8		
		3,30,600 14 2	
			5,81,094 13 9
F—Disposal of Town Sweepings—			
35 *Lakhs Loan—*			
Purchase of land on the Flats required for the disposal of town sweepings		1,98,913 8 8	
23¼ *Lakhs Loan—*			
Purchase of land on the Flats for the deposit of kutchra		5,890 14 1	
25 *Lakhs Loan—*			
Disposal of town sweepings at Deonar		7,84,000 0 0	
19¼ *Lakhs Loan—*			
Extra cost of the scheme for the disposal of town sweepings at Deonar		809 6 8	
Executed out of savings on different Loans—			
20 Additional wagons for the disposal of town-sweepings		2,813 12 0	
			9,92,427 9 5
G—Miscellaneous—			
19¼ *Lakhs Loan—*			
Purchase of land for the site of the Petit Hall and other charges in connection therewith...		1,844 13 10	
Executed out of savings on different Loans—			
Providing and fixing of new pattern hydrants for watering and fire brigade purposes		50,000 0 0	
			51,844 13 10
		Total Rs....	4,83,25,833 15 4

W. E. WAITE,
Chief Accountant.

W. L. HARVEY,
Municipal Commissioner.

Appendix No. 9-B.

STATEMENT showing the Invested Balances on 31st March 1903 as compared with 31st March 1902.

	On 31st March 1902.	On 31st March 1903.	More.	Less.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A—SURPLUS FUNDS INVESTMENTS—				
In cash, current and fixed deposit accounts and in 5 per cent. Municipal and 4 per cent. Municipal and City Improvement Trust Debentures and 3½ per cent. Government Paper	11,11,741 2 4	20,41,665 0 5	9,29,923 14 1	.....
Loan Fund Balances (in current account and fixed deposits with Local Banks) ...	25,66,019 3 8	19,26,696 8 7	.....	6,39,322 11 1
Rs. ...	36,77,760 6 0	39,68,361 9 0	9,29,923 14 1	6,39,322 11 1
B—SINKING FUND—				
5 per cent. Municipal Loans (in 5 per cent. Municipal Debentures and Cash)	25,66,549 1 3	26,21,533 0 10	2,54,983 15 7	.....
4 per cent. Municipal Loans (in 4 per cent. Municipal and City Improvement Trust Debentures and Cash)	11,33,802 0 10	14,12,878 1 10	2,79,076 1 0	.....
3½ per cent. Municipal Loans (in 3½ per cent. Government Paper and Cash) ...	73,509 15 9	88,377 14 4	14,867 14 7	.....
Rs. ...	35,73,861 1 10	41,22,789 1 0	5,48,927 15 2	.....
C—MISCELLANEOUS FUNDS—				
Municipal Buildings Fire Insurance Fund (in 5 per cent. Municipal and 4 per cent. Municipal and City Improvement Trust Debentures, and 3½ per cent. Government Paper and Cash) ...	56,064 2 10	63,417 5 1	7,352 2 3	.....
Worn-out Water Mains Renewal Fund (in 5 per cent. Municipal and 4 per cent. Municipal and City Improvement Trust Debentures, and 3½ per cent. Government Paper and Cash) ...	4,13,002 10 10	4,57,262 12 4	44,260 1 6	.....
Net Premia Fund (in 5 and 4 per cent. Municipal Debentures and Cash) ...	82,811 11 1	37,995 9 6	.....	44,816 1 7
School Building Fund (in 3½ per cent. Government Paper and Cash)... ...	58,357 5 3	60,388 12 4	2,031 7 1	.....
Rs. ...	6,10,235 14 0	6,19,064 7 3	53,644 10 10	44,816 1 7
	78,61,857 5 10	87,10,215 1 3	15,32,496 8 1	6,84,138 12 8
Contractors, &c., Deposits in Government and other Securities	2,26,300 0 0	2,20,300 0 0	.....	6,000 0 0
TOTAL Rs. ...	80,88,157 5 10	89,30,515 1 3	15,32,496 8 1	6,90,138 12 8
			6,90,138 12 8	
		Rs. ...	8,42,357 11 5	

W. E. WAITE,
Chief Accountant.

W. L. HARVEY,
Municipal Commissioner.

Appendix No. 10.

STATEMENT of Expenditure on Plague Operations from 1st April 1902 to 31st March 1903.

Particulars.	Rs.	a.	p.	Amount. Rs.	a.	p.
Establishment.						
Central Offices, Superior				3,600	0	0
Do. Subordinate				13,721	8	5
District Offices, Superior				7,170	0	0
Do. Subordinate				19,762	5	3
Hospitals, Superior				4,165	0	0
Do. Subordinate				17,819	1	11
Death Registration Ramosis				17,248	10	2
Labourers, Halalkhores, Scavengers and Lime Washers				44,175	14	0
Police Ramosis				5,685	3	2
				1,33,347	10	11
Contingencies				5,880	9	3
Printing and Stationery				3,920	10	9
Food Supply to Hospitals				10,913	14	8
Petty Stores				5,250	7	2
Lime				400	8	7
Clothing supplied to Hospitals (including uniform for Ramosis)				3,515	7	8
Medicines, Medical Instruments and Appliances				16,932	5	1
Construction, Repairs and Maintenance of Sheds, Hospitals, &c.				7,881	14	11
Disinfectants				10,600	1	11
Ground Rent				15,981	5	5
Making and repairing of ambulances and hand-carts				338	0	11
Law Charges				35	0	0
Stores, Firewood for cremation of dead bodies, &c.				325	13	8
Cleaning and flushing drains				4,408	13	11
Inspection of houses in different parts of the City				24,392	13	6
Assessment Taxes				1	12	5
Telephone Connections and Alterations				236	11	2
Cutting off service pipes and erecting stand-pipes, making re-connections, &c.				2,760	14	5
Cost of deportation of Pauper Immigrants				10,654	5	5
Dispensaries				26,796	12	7
Rebate of Taxes to the Bombay Improvement Trust in respect of lands and buildings occupied for Plague purposes.				8,251	2	4
Honorarium for inspecting and valuing the buildings condemned by the Municipality				175	0	0
Expenses incurred by the Police in connection with Plague measures				6,834	6	4
				2,99,836	11	0
Less—Receipts—						
Contribution received from Government towards the cost of preparing Professor Lustig's Curative Serum in Bombay	2,973	0	5			
Furniture sold or transferred to other Departments	287	0	0			
Amount due by Government on account of Observation Camps, etc., adjusted against Police Charges payable by the Municipality	61,416	1	5			
Recoveries from Occupants of Health Camps for Conservancy Charges	2,760	2	11			
Miscellaneous Receipts	945	1	8			
Do. Fines and Penalties	64	2	11			
				68,445	9	4
Total ... Rs.				2,31,391	1	8

W. E. WAITE,
Chief Accountant,

W. L. HARVEY,
Municipal Commissioner.

INCOME FOR 1902-1903.

INCOME.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Water Tax and other Miscellaneous Water Works Revenue (*vide* details in Appendix No. 13, page 68)		15,13,976 3 0	
Interest on the Worn-out Water Mains Renewal Fund Investment (*vide* page 70)	19,260 1 6		
Do. Net Premia Fund Investment (*vide* page 70)	4,047 7 9		
		23,307 9 3	
			15,37,283 12 3
Excess Expenditure over Income			**1,50,978 12 2**
Total Rs.			16,88,262 8 5

W. E. WAITE,
Chief Accountant.

11.

ACCOUNT.

EXPENDITURE FOR 1902-1903.

EXPENDITURE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
General Superintendence (proportion of)	(a)27,095 14 6			
Assessment and Collection Charges (proportion of)	(b)28,780 9 10			
Engineer's Establishment (proportion of)	(c)14,762 14 4			
Maintenance of Vehar, &c., Water Works	(d)2,07,661 8 8			
Loss and depreciation on Water Works Stores	(e) 364 3 6			
		2,78,665 2 10		
New Works		(f)18,926 12 1		
Investments—			2,97,591 14 11	
Worn-out Water Mains Renewal Fund Investment		25,000 0 0		
Interest realized on do. do. do.		19,260 1 6		
		(g)44,260 1 6		
Do. do. on the Net Premia Fund (Water Works portion)		(g) 4,047 7 9		
			48,307 9 3	
Interest on Water Works Loans (Debt)—			3,45,899 8 2	
Due to Government—Vehar Debt		98,676 11 8		
Due to Public—				
Portion of 10 Lakhs for Bhandarwada Water Works of the Loan of Rs. 26,94,000 of 1878	32,860 0 11			
Water Works portion of the 44 Lakhs Sanitary Works Loan (Rs. 18,98,921)	80,682 9 1			
Water Works portion of the 7 Lakhs Sanitary Works Loan (Rs. 1,90,389)	9,519 7 2			
Water Works portion of the 12 Lakhs Drainage and Water Works Loan (Rs. 85,000)	4,250 0 0			
Water Works portion of the Rs. 10,08,500 Miscellaneous Works Loan (Rs. 1,35,000)	6,750 0 0			
Water Works portion of the 35 Lakhs Various Sanitary Works Loan (Rs. 9,20,000)	46,000 0 0			
Water Works portion of the 42 Lakhs Loan for repayment of Government Consolidated Loan (Rs. 28,59,762)	1,14,390 7 8			
Water Works portion of the 23¼ Lakhs Loan for Drainage and other Works (Rs. 2,45,500)	9,820 0 0			
Water Works portion of the 15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Works (Rs. 30,000)	1,050 0 0			
Water Works portion of the Tansa Water Works Loan of Rs. 147 lakhs	7,54,200 0 0			
Water Works portion of the 25 Lakhs Loan for Sewerage, &c., Works (Rs. 2,31,297)	9,251 14 1			
Water Works portion of the 24¾ Lakhs Loan for certain Sewerage and Water Works (Rs. 2,73,000)	10,920 0 0			
		10,79,694 6 11		
			(h) 11,78,371 2 7	
Payments towards the reduction of debt or investment of Sinking Fund of the following Water Works Loans (Debt)—				
Vehar Debt		15,299 4 4		
Portion of 10 Lakhs for Bhandarwada Water Works of the Loan of Rs. 26,94,000 of 1878		25,426 14 0		
Water Works portion of the 44 Lakhs Sanitary Works Loan (Rs. 18,98,921)		13,184 8 10		
Do. do. 7 Lakhs Sanitary Works Loan (Rs. 1,90,389)		1,631 14 6		
Do. do. 12 Lakhs Drainage and Water Works Loan (Rs. 85,000)		779 2 8		
Do. do. Rs. 10,08,500 Miscellaneous Works Loan (Rs. 1,35,000)		1,151 3 5		
Do. do. 35 Lakhs Various Sanitary Works Loan (Rs. 9,20,000)		7,622 13 0		
Do. do. 42 Lakhs Loan for repayment of Government Consolidated Loan (Rs. 28,59,762)		51,407 10 0		
Do. do. 23¼ Lakhs Loan for Drainage and other Works (Rs. 2,45,500)		2,629 3 7		
Do. do. 15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Works (Rs. 30,000)		361 3 2		
Do. do. Tansa Water Works Loan of Rs. 147 Lakhs		42,000 0 0		
Do. do. 25 Lakhs Loan for Sewerage, &c., Works (Rs. 2,31,297)		2,498 0 2		
			(i) 1,63,991 13 8	
Total Rs.				16,88,262 8 5

(a), (b), (c) and (d) *vide* page 69
(e) *Vide* page 77
(f) Do. 73
(g) *Vide* page 87
(h) Do. 77
(i) Do. 85

W. L. HARVEY,
Municipal Commissioner.

Appendix
WATER WORKS
SCHEDULE OF LIABILITIES AND

LIABILITIES.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Debt due to Government—			
Government of Bombay on account of Vehar Debt (See page 52)		24,58,260 10 3	
Debt due to Public—			
Portion of 10 lakhs for the Bhandarwada Water Works of the Loan of Rs. 26,94,000 of 1878 ...	6,31,774 5 0		
Water Works portion of the 44 lakhs Sanitary Works Loan	16,13,651 4 7		
Water Works portion of the 7 lakhs Sanitary Works Loan	1,90,389 0 0		
Water Works portion of the 12 lakhs Drainage and Water Works Loan	85,000 0 0		
Water Works portion of the Miscellaneous Works Loan of Rs. 10,08,500	1,35,000 0 0		
Water Works portion of the 35 lakhs Various Sanitary Works Loan	9,20,000 0 0		
Tansa Water Works Loan of 147 lakhs	1,47,00,000 0 0		
Water Works portion of the 42 lakhs Loan raised in 1893-94 for repayment of the balance of Government Consolidated Loan	28,59,762 0 0		
Water Works portion of the 23¼ lakhs Loan for Drainage and other Works	2,45,500 0 0		
Water Works portion of the 15¾ lakhs Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works	30,000 0 0		
Water Works portion of the 25 lakhs Loan for Sewerage, Roads and other Works	2,31,297 0 0		
Water Works portion of the 24¾ lakhs Loan for certain Sewerage and Water Works	2,73,000 0 0		
		2,19,15,373 9 7	
			2,43,73,634 3 10
Balance—Assets in excess of Liabilities ...			38,47,032 4 5
		TOTAL Rs....	2,82,20,666 8 3

W. E. WAITE,
Chief Accountant.

No. 12.
ACCOUNT.
ASSETS AT 31ST MARCH 1903.

ASSETS.	Rs. a. p.	Rs. a. p.	Rs. a. p.
I. Properties—			
Water Works executed out of Loan and Reserve Funds as detailed at pages 59 & 60 (*vide* Appendix No. 9A)		2,77,25,408 2 5	
II. Investments—			
Bank of Bombay Worn-out Water Mains Renewal Fund (*vide* page 53)	4,57,262 12 4		
Bank of Bombay Net Premia on different Municipal Loans Deposit Account (*vide* page 53).	* 37,995 9 6		
		4,95,258 5 10	
			2,82,20,666 8 3
		TOTAL RS....	2,82,20,666 8 3

	Rs. a. p.	Rs. a. p.
* Balance on 1st April 1902		77,966 9 7
Add—Interest realized in 1902-03		4,047 7 9
		82,014 1 4
Deduct—Amount appropriated towards meeting the deficit in 1902-03 in the Municipal General Fund portion of the Premia, &c., Fund :—	Rs. a. p.	
Total discount and stamp, &c., charges paid on the 12 lakhs Loans raised in 1902-03	49,215 2 2	
Less—Amount met from the Municipal General Fund portion of the Premia Fund	5,196 10 4	
Deficit .. Rs. ..		44,018 7 10
Balance Rs. ..		37,995 9 6

W. L. HARVEY,
Municipal Commissioner.

Appendix

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

RECEIPTS.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND.				
Cash Balance (In Bank and Office Treasuries) on 1st April 1902				2,21,565 12 2
GENERAL TAX—				
From the Public		23,56,500 8 8		
„ Government of Bombay	1,32,814 12 0			
„ Port Trust	2,21,244 0 0			
		3,54,058 12 0		
			27,10,559 4 8	
WHEEL TAX AND TOLLS—				
WHEEL TAX—				
Through Assessor and Collector (Private Conveyances)		1,77,379 7 0		
Through the Chief Accountant (Public Land Conveyances)		1,85,615 4 0		
		3,62,994 11 0		
TOLLS (through Traffic Manager, Port Trust)		8,018 4 0		
			3,71,012 15 0	
TOWN DUTIES (Gross Collections)		23,33,021 8 11		
Less—Refunds		11,13,678 14 0		
			12,19,345 10 11	
LICENSES—				
(*a*) Taxes on Trades and Professions		76,518 0 0		
(*b*) Land Conveyance, Music, &c., Licenses (issued by the Commissioner of Police)—				
(1) Land Conveyance Licenses, &c.	14,371 4 0			
(2) Music and Miscellaneous Licenses	11,181 0 0			
		25,552 4 0		
			1,02,070 4 0	
LIQUOR LICENSES—Receipts from Government			1,43,750 0 0	
TOBACCO DUTY LICENSES—Receipts from Government (through Commissioner of Customs)			2,44,091 10 1	
HALALKHOR TAX			7,95,984 7 5	
WATER TAX AND OTHER MISCELLANEOUS WATER WORKS REVENUE—				
Water Tax (through Assessor and Collector)	14,52,392 12 7			
Water supplied to Municipal Departments	21,246 3 0			
Water charges recovered through Water Engineer, &c.	5,842 5 1			
	14,82,481 4 8			
Rent of Water Meters	20,565 6 11			
Miscellaneous	7,433 12 7			
		15,10,420 8 2		
Sale proceeds of and produce of lands		1,823 10 10		
Rent of land and buildings		1,732 0 0		
			15,13,976 3 0	
MARKET RECEIPTS—				
Stall Rents	1,53,485 0 8			
Squatters' Fees	34,129 6 9			
Fair Ground and Feeding Fees from Contractors	69,500 0 0			
Miscellaneous	24,490 12 6			
		2,81,605 3 11		
Slaughter Fees		1,49,750 10 0		
Rent of land & buildings		5,408 0 0		
Sale-proceeds of produce of land		4 4 3		
			4,36,768 2 2	
Carried over.. Rs.			75,37,558 9 3	2,21,565 12 2

No. 13.

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1903.

DISBURSEMENTS.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND.				
GENERAL SUPERINTENDENCE—				
Standing Committee and Corporation Establishment		62,423 8 8		
Municipal Commissioner's Personal Office Establishment		54,638 14 2		
General Office Establishment		34,336 7 11		
Accounts and Expenditure Audit Establishment...		65,368 5 9		
			* 2,16,767 4 6	
ASSESSMENT AND COLLECTION DEPARTMENT—				
Property and Wheel Tax Establishment		† 1,53,496 9 7		
Town Duty Collection		80,697 9 4		
Licensing Establishment		31,002 14 2		
Revenue and Refund Audit Establishment		‡ 25,725 11 6		
		2,90,922 12 7		
TOLLS COLLECTION—				
I. Establishment under the Traffic Manager, Port Trust Bunders		2,016 0 0		
			2,92,938 12 7	
FIRE BRIGADE		87,141 11 0		
Add—Interest on the Fire Brigade Loan of 4½ lakhs—Transferred from Interest on Loans, page 77		14,940 0 0	(a) 1,02,081 11 0	
MAINTENANCE OF PUBLIC GARDENS—				
(*a*) VICTORIA GARDENS—				
Maintenance		51,751 14 4		
New Works—				
Planting and turfing of the new ground	651 2 11			
Construction of three water closets in the Victoria Gardens	2,336 15 4			
	2,988 2 3			
Erecting stand-pipe in the Victoria Gardens	380 15 1			
Constructing (3) washing-places in the Victoria Gardens	141 9 9			
		3,510 11 1		
		55,262 9 5		
(*b*) ELPHINSTONE CIRCLE GARDEN		1,139 14 5		
(*c*) FALKLAND ROAD GARDEN		205 7 7		
(*d*) NORTHBROOK GARDEN		1,070 0 6		
(*e*) SIR COWASJEE JEHANGIR GARDEN		385 6 8		
(*f*) BAZAAR GATE GARDEN		506 5 2		
(*g*) DICK'S TANK GARDEN		303 10 10		
(*h*) MALABAR HILL GARDEN		522 12 4		
			59,396 2 11	
PUBLIC WORKS (ENGINEER'S) DEPARTMENT—				
I. GENERAL SUPERVISION and MISCELLANEOUS DUTIES		§ 57,000 2 6		
II. DRAINAGE—				
A. Miscellaneous Drainage	1,30,731 15 7			
B. Maintenance of Love Grove Pumping Station	1,12,060 4 3			
C. Maintenance of Sluices	3,143 9 4			
D. Maintenance of Pumping Station, Colaba (Shone System)	26,720 14 0			
E. Air Compressor Station at Love Grove (Shone System)	27,081 13 3			
		2,99,788 8 5		
III. WATER WORKS		2,07,661 8 8		
Carried over Rs....		5,64,450 3 7	6,71,183 15 0	

* Of this, Rs. 27,095-14-6 are chargeable to Water Works Account.

† Of this, Rs. 28,780-9-10 do. do.

‡ Including Rs. 11,662-12-0 on account of Town Duty Refund Establishment.

(*a*) Or Rs. 1,10,181-11-0 including the Sinking Fund Instalment of Rs. 8,100 included in the Sinking Fund payments aggregating Rs. 5,48,927-15-2 shown at page 85.

§ Of this, Rs. 14,762-14-4 are chargeable to Water Works Account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward			75,37,558 9 3	2,21,565 12 2
PUBLIC GARDENS—				
VICTORIA GARDENS—				
Sale Proceeds of Plants, Flowers, &c.		9,281 13 9		
Rent of Chawls from Malees, &c.		569 0 0		
Fees from Elephant rides		1,153 14 0		
			11,004 11 9	
TRAMWAY RENT			50,053 14 10	
MISCELLANEOUS FINES AND PENALTIES			12,004 5 2	
MISCELLANEOUS RECEIPTS—				
General Sales Account—				
Sale of Land	11,082 7 8			
Miscellaneous	1,406 2 2			
		12,488 9 10		
On Account of Health Department—				
Rent of Chawls, Reclamation Ground, Milch Cattle Stables and Dhobiwada	78,995 12 4			
Sale-proceeds of land and produce of land	649 0 0			
Sale of Bones, Manure, and Cowdung cakes, &c. Rs. 1,846 4 0				
Cleaning Drains „ 1,594 2 2				
	3,440 6 2			
Miscellaneous	60 0 0			
		83,145 2 6		
On Account of Municipal Engineer's Dept.—				
Ground-rent on account of Telephone Lines Rs. 3,528 13 10				
Other ground-rent „ 2,168 11 3				
	5,697 9 1			
Right of catching fish, cutting grass, collecting fruits, drawing toddy, &c.	7,866 7 8			
Miscellaneous	9,160 7 3			
		22,724 8 0		
Miscellaneous—				
Rent of Quarters belonging to the Corporation occupied by the Police Dept.	15,773 6 4			
Do. do. by the Fire Brigade	3,600 0 0			
		19,373 6 4		
Sundries		2,294 14 1		
			1,40,026 8 9	
MISCELLANEOUS FEES			39,986 7 2	
MISCELLANEOUS SAVINGS			3,965 8 10	
CONTRIBUTION from Municipal Servants towards Pension, &c., Fund			22,759 0 0	
INTEREST on Investments of Surplus Loan and other Balances			1,37,039 7 11	
PROFIT on Municipal Workshops			14,584 8 8	
SALE PROCEEDS of Unserviceable Tools, Plant, &c.			4,095 12 6	
ACTUAL Profit on sale of Stores to Contractors			4,295 9 1	
INTEREST on the 5, 4 and 3½ per cent. Municipal Loans Sinking Fund Investment		1,70,177 15 2		
INTEREST on Municipal Buildings Fire Insurance Fund Investment	2,445 1 0			
INTEREST on the Investment of the Net Premia Fund	* 4,399 0 7			
INTEREST on the School Building Fund Investment	2,031 7 1			
INTEREST on the Worn-out Water Mains Renewal Fund Investment	19,260 1 6			
		28,135 10 2		
			1,98,313 9 4	
				81,75,683 1 3
Carried over...Rs.				83,97,253 13 5

* Includes Rs. 4,047-7-9 received on the Water Works portion of the Net Premia, &c., Fund Investment.

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1903—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward		5,64,450 3 7	6,71,183 15 0	
IV. STREETS AND BUILDINGS—				
A. Inspection and Supervision	84,511 11 6			
B. Public Lighting	2,71,165 12 2			
C. Road Watering	79,197 2 3			
D. Roads, Footpaths, &c.	3,80,613 4 6			
E. Improvement of Streets	81,964 1 0			
F. Miscellaneous—				
(1) Compensation to House-owners for insanitary buildings demolished ....Rs. 1,083 14 1				
(2) Compensation to Municipal staff employed on extricating bodies of persons overwhelmed in the debris of fallen buildings, &c. .... „ 523 10 6				
	1,607 8 7			
		8,99,059 8 0		
V.—Cleaning, Lighting, and Repairing Port Trust Wharves Roads		28,642 0 0		
			15,02,151 11 7	
NEW WORKS—				
DRAINAGE—				
Miscellaneous Drainage Works	15,967 14 6			
Providing seven square manholes on the main sewer between Shaik Memon Street and Cowasji Patel Tank	191 3 1			
Diverting a portion of Drain in Mangalwady Lane.	960 6 4			
Wooden porch at the front door of the Engine-house at Love Grove	463 8 8			
Constructing an open masonry drain at the culvert at the Elphinstone Road Station	3 15 5			
Constructing permanent manholes over drains	1,569 15 5			
	19,156 15 5			
Constructing two catch-pits and two Inspection Chambers on the pipe drain attached to the Milch Cattle Stables at Bapty Road, Kamathipura	5 8 10			
Extension of 3″ pipe in the compound of the Colaba Air Compressor Station	145 11 8			
Laying 9″ main pipe at the Love Grove Pumping Station	500 6 3			
	19,808 10 2			
Constructing teakwood partitions at Love Grove ..... Rs. 120 1 4				
Providing and fixing iron sheets to the store-room of the chowki at Bapty Road ..... „ 162 6 6				
	282 7 10			
		20,091 2 0		
New Works—*continued* and carried over...Rs.		20,091 2 0		
Carried over...Rs.			21,73,335 10 7	

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs				83,97,253 13 5
Carried over...Rs.				83,97,253 13 5

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1903—*continued.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.			21,73,335 10 7	
NEW WORKS—*contd.* and brought forward ..... Rs.		20,091 2 0		
WATER WORKS—				
Enlarging Sluice-house near Coorla Railway Station	2,437 15 0			
Raising water service pipes from Gullies	848 9 8			
Cost of laying water mains at the Apollo Reclamation by the Bombay Port Trust	3,262 11 2			
Asphalting filters Nos. 3, 4 and 6, Bhandarwada	5,574 10 6			
Buttressing portions of the Tansa Duct at Bhandup.	1,023 0 10			
Laying 18″ bye-pass connection between 24″ inlet pipe to Malabar Hill Reservoir, &c.	1,368 2 3			
Making water connections to the New Garden at Tank Street	436 15 0			
Erection of stand-pipe at Dharavi, Koliwada	105 7 8			
Do. do. at Worli, Koliwada	186 5 7			
Fixing screen in the inlet well of the Malabar Hill Reservoir	357 3 3			
	15,651 0 11			
Construction of quarters for workmen of the Water Branch at Kurla (Rs. 2,997 0 0)				
Providing tile roofing to the Inspector's quarters at Kapoorbouri (100 0 0)				
Making drainage connections of the cook-room and paving the washing place of the quarters of the Superintendent, Maintenance Branch (178 11 2)				
	3,275 11 2			
		18,926 12 1		
STREETS AND BUILDINGS—				
Putting up a gate to the Municipal ground at the junction of Foras Road and Falkland Road	.....	54 3 8		
SANITARY AND OTHER MISCELLANEOUS WORKS—				
Latrines and Urinals	7,390 11 1			
Paving cab-stands	2,459 12 9			
Constructing masonry walls around the portion of the Municipal ground at Haines Road and filling in the same with earth	1,733 7 3			
Palisade at the Bhungi Mohla Night-soil Depôt	51 2 1			
Paving a portion of the C Ward stables and making an open channel and connecting the same with the sewer	1,574 7 11			
Connecting with the Municipal sewer a washing place, urinal and closet attached to the Health Department stables, C ward	460 6 8			
Providing a storage tank for water at the Tank Bunder, Hindu Cemetery	224 1 7			
Conversion of the existing night-soil collecting depôt situated between Khoja and Chimna Butcher Streets into a night-soil hopper station	98 1 9			
Putting up a stand-pipe with a hose for flushing kutchra waggons at Mahaluxmi	440 9 3			
Shed with two excreta disposers on the south side of the Musjid Bridge	57 0 1			
Filling in Tank Bunder Cemetery	3,510 10 6			
Do. Haines Road Cemetery	57 8 6			
	18,057 15 5			
Less Credit— Construction of two pail depôts at Umerkhadi...	9 14 11			
	18,048 0 6			
Sanitary and other Miscellaneous Works—*contd.* and carried over ..... Rs.	18,048 0 6			
New Works—*continued* and carried over... Rs.		39,072 1 9		
Carried over... Rs.			21,73,335 10 7	

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.				83,97,253 13 5
Carried over ... Rs.				83,97,253 13 5

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1903—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward.....Rs.			21,73,335 10 7	
NEW WORKS—*continued* and brought forward ...Rs.		39,072 1 9		
SANITARY & OTHER MISCELLANEOUS WORKS—*continued* and brought forward .....Rs.	18,048 0 6			
Construction of a temporary stable at Kamatipura .....Rs. 3,356 7 2				
Providing and fixing galvanized weather frames to the verandahs of the H. D. quarters at Chimbur..... „ 373 12 4				
Erecting a blacksmith shop at Chimbur „ 2,886 13 8				
Construction of a masonry tank for beggaris living in Palton Road (H. D.) Chawls ..... „ 701 6 1				
Construction of a water tank for the bullocks of the Health Department stables at Colaba..... „ 529 15 7				
Construction of cattle segregation sheds at Sankli Tank ..... „ 3,115 14 11				
Additional Chawl accommodation at Deonar ..... „ 122 12 4				
	11,087 2 1			
Constructing a small length of branch road, about 20′ in width leading from the approach road to the night-soil depôt on the Flats.....	5 0 0			
Renewing the corrugated iron sheet roofing of the Arthur Crawford Markets	9,279 11 0			
Purchase of machinery for Municipal Workshops ...	10,790 0 0			
		49,209 13 7		
			88,281 15 4	
PUBLIC HEALTH DEPARTMENT—				
I. General Supervision.....		1,08,444 15 10		
II. Conservancy Branch—				
Veterinary Establishment	8,657 12 0			
Other conservancy Charges	16,00,096 0 5			
		16,08,753 12 5		
III. Markets and Slaughter-Houses Establishment.....		1,44,157 5 10		
IV. Registration of Births and Deaths		41,528 10 10		
V. Cemeteries		14,400 4 4		
VI. Laboratory		2,125 7 1		
VII. Mahaluxmi Dhobiwada		20,515 11 8		
VIII. Infectious Diseases		39,014 15 0		
IX. Milch Cattle Stables and Rooms		6,570 2 9		
X. Tank Conservancy		5,146 12 10		
XI. Rustomji Jamshedji Dharamshala, Falkland Road		248 8 8		
XII. Vaccination (Contribution to Government)..		15,757 8 1		
XIII. Dispensaries		326 8 6		
		20,06,990 11 10		
XIV. Census..		*Cr.* 1,051 11 1		
			20,05,938 0 9	
Carried over ...Rs.			42,67,556 10 8	

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs.				83,97,253 13 5
Carried over...Rs.				83,97,253 13 5

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1903—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs.			42,67,556 10 8	
POLICE CHARGES—				
Contribution towards the cost of the Police		5,96,443 10 10		
Removal of the existing privy and the construction of two chamber latrines at the Bazar Gate Police Station on the water-carriage system		734 4 6		
Additions and alterations to the quarters occupied by Police Inspector at Girgaum Back Road.....		222 10 8		
Providing three dormar windows over the roof of the Apothecary's quarters at the Mazagon Police Hospital		103 7 3		
			5,97,504 1 3	
EDUCATION—				
Victoria and Albert Museum		8,026 10 3		
Other Institutions		1,02,447 1 10		
			1,10,473 12 1	
HOSPITALS, &c.....			56,290 8 9	
CONTRIBUTION to the City Improvement Trust ...			5,00,000 0 0	
PENSIONS, &c.....			68,852 1 11	
MISCELLANEOUS—				
Discretional Contingencies		5,468 6 5		
Auditors' Allowance		10,000 0 0		
Election Expenses.....		954 0 10		
Grain Compensation to Peons, &c.		12 0 0		
Cost of engaging the services of Mr. T. Wheeler for verifying and auditing Municipal Stores and Stores accounts		2,072 13 0		
Purchase of 5 sets of Survey sheets		1,300 0 0		
Loss and depreciation on Water Works Stores		*364 3 6		
Do. do. stores (General Stores)		83 10 4		
Cost of purchasing (400) copies of the compilation of Municipal matters prepared by Mr. L. W. Michael		4,000 0 0		
Purchase of one dozen copies of Mr. James's Oriental Drainage		150 0 0		
Contribution towards the cost of coronation celebrations in Bombay		25,000 0 0		
Cost of casket for the address of congratulation presented to His Most Gracious Majesty King Edward VII, Emperor of India, on the occasion of His Majesty's Coronation, and of engrossing and illuminating the address, &c.		7,144 8 0		
Difference between the cost of land originally reserved in Connaught Road for Health Department Stables in E Ward and the cost of land in Agripada now utilized for the purpose.....		16,776 12 11		
Cost of illuminating the address presented to their Royal Highnesses the Duke and Duchess of Connaught and of a silver casket to hold the address		1,797 11 3		
			75,124 2 3	
INTEREST ON LOANS		21,15,360 8 0		
Less—Shown under Fire Brigade (page 69)		14,940 0 0		
			†21,00,420 8 0	
CHARGES ON ACCOUNT OF LOANS			8,813 7 1	
				77,85,035 4 0
PAID OUT OF THE MUNICIPAL BUILDINGS FIRE INSURANCE FUND—Repairs to Colaba Fire Brigade Station damaged by fire				91 14 9
Carried over...Rs.				77,85,127 2 9

* Chargeable to Water Works Account. † Includes Rs. 11,78,371-2-7 chargeable to Water Works Account.

STATEMENT of TOTAL RECEIPTS and DISBURSEMENTS ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs.				83,97,253 13 5
LOAN WORKS—				
DRAINAGE—				
Executed out of 26,94,000 Drainage Loan of 1878—				
New pumping machinery (value written off by debit to Income and Expenditure Account)	98,289 9 6			
New Engine House—(value written off by debit to Income and Expenditure Account...	95,742 3 9			
		1,94,031 13 3		
Executed out of 15 Lakhs Loan (one of the 3 Sanitary Works Loans of 1885-86, aggregating 44 Lakhs)—				
Two more pumping engines (value written off by debit to Income and Expenditure Account).....		98,438 1 9		
			2,92,469 15 0	
LOAN WORKS—*continued* and carried over ..... Rs.			2,92,469 15 0	
Carried over...Rs.				83,97,253 13 5

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1903—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ....Rs.				77,85,127 2 9
PAID OUT OF THE NET PREMIA FUND—				
Advertisement, stamp, &c., charges in connection with the raising of 12 Lakhs (Rs. 8 Lakhs on account of the final instalment of the Plague Loan and Rs. 4 Lakhs on account of the 3rd instalment of 24¾ Lakhs Loan for certain sewerage and water works)			7,048 9 2	
Discount on the 3rd instalment of Rs. 4 Lakhs of the 4 per cent. 24¾ Lakhs Loan for sewerage and water works		4,757 3 0		
Discount on the 3rd instalment of Rs. 8 Lakhs of the 4 per cent. 20 Lakhs Loan for plague purposes		37,409 6 0	42,166 9 0	49,215 2 2
LOAN WORKS—				
DRAINAGE—				
Executed out of the Loan of Rs. 25 Lakhs for Sewerage, Water and other Sanitary Works—				
Machinery for the sewerage of the Parel, the Mazagon, &c., Sectional Districts....	28,451 1 9			
Mazagon District, Sectional	1,65,098 4 10	1,93,549 6 7		
Executed out of the 19¾ Lakhs Loan—				
Low-Level Channel from the Tardeo Flats to Worli Point	34,762 10 11			
Storm-water Drain in Tardeo Road	42,554 9 7			
Improvements in existing side drains along Bhoiwada Cross Road and new side drains along portions of Dadar Road and improvements in the water-course from Dadar Road.	2,586 2 10	79,903 7 4		
Executed out of 24¾ Lakhs Loan—				
Sewerage of the Fergusson Road and Chinchpokli District (Sectional)	93,128 0 1			
Sewerage of the Parel District (Sectional)	1,48,262 2 4			
Completion of house drainage connections in different parts of the City	88,414 10 4	3,29,804 12 9		
Executed out of savings on different Loans—				
Tidal flaps on the ovoid sewers	648 9 0			
Do. flushing drains for ovoid sewers...	1,528 2 3			
Providing and constructing masonry side drains in Malabar Hill	3,144 13 3			
Providing and constructing masonry side drains (*a*) on Naigam Cross Road on both sides from Vincent Road to Dadar and (*b*) east and west of Gorupdeo Road	2,470 14 2			
Constructing additional quarters for Lascars at Love Grove	5,328 13 2			
Cutting out rocky barriers in the Channel at Love Grove	116 6 0			
Surface drain in Queen's Road between the level-crossing and Charni Road	1,435 6 0			
Masonry storm-water drain 18″×18″ in Apollo Street....	1,888 15 9			
Open ovoid drain in the east side of DeLisle Road	1,390 2 7			
Zinc vent shafts on pipe sewers in the Fort Sewerage District	152 13 0			
Storm-water drain in Sankli Street	11,529 15 8			
Cost of obtaining advice from Mr. Santo Crimp in regard to House-connections, &c....	11,992 9 10			
Construction of permanent manholes over drains,....	168 4 11			
Masonry side drains at Malabar Hill from Gowalia Tank Road to Government House.	7,223 15 3	49,019 12 10		
Loan Works—*continued* and carried over ...Rs.		6,52,277 7 6		
Carried over...Rs.				78,34,342 4 11

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs.				83,97,253 13 5
LOAN WORKS—*contd.* and brought forward Rs.			2,92,469 15 0	
LOAN WORKS—*contd.* and carried over ...Rs.			2,92,469 15 0	
Carried over...Rs.				83,97,253 13 5

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1903—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs.				78,34,342 4 11
LOAN WORKS—*contd.* and brought forward...Rs.		6,52,277 7 6		
Advances from Surplus Balances—				
(17) Catch-pits on pipe sewers.....	13,625 15 5			
(7) Do. ovoid do.	32,408 1 8			
Sewerage of Malabar Hill District—Sectional ...	2,846 1 10			
		48,880 2 11		
		7,01,157 10 5		
Less—Credits—				
Loan of 23¼ Lakhs for Drainage and other Works—				
Sewerage of Colaba .. ..Rs. 8,310-13-3				
Sewerage of Umerkhadi... „ 12,790- 3-2	21,101 0 5			
Loan of 25 Lakhs for Sewerage, Water and other Sanitary Works—				
Machinery for the sewerage of the Parel, the Mazagon, &c., Sectional Districts...	1,65,098 4 10			
Advances from Surplus Balances—				
Cost of obtaining advice from Mr. Santo Crimp on sub-soil and surface drainage and other matters, including printing, &c., charges	31,128 4 7			
		2,17,327 9 10		
			4,83,830 0 7	
WATER WORKS—				
Executed out of the 25 Lakhs Sewerage, Water and other Sanitary Works Loan—				
New mains in Reay and Kalachowki Roads and other places		87 4 0		
Executed out of savings on different Loans—				
Renewing 3″ main in B Ward with 4″ pipes ...	1,050 7 6			
Replacing 32″ Vehar pipes for 1½ miles by 48″ steel pipes	2,051 6 9			
9″ main in DeLisle Road	1,062 1 2			
		4,163 15 5		
Advances from Surplus Balances—				
Construction of additional filters with a roof covering at the Malabar Hill Reservoir	5,467 10 7			
4″ C. I. main along Wodehouse Road	2,426 2 11			
		7,893 13 6		
		12,145 0 11		
Less—Credit—				
Advances from Surplus Balances—				
Fee to Major Tulloch for preparing report on the best means for filteration of Tulsi Water in Bombay		1,877 12 0		
			10,267 4 11	
ROADS—				
Executed out of the 35 Lakhs various Sanitary Works Loan—				
Roads and Streets in Agripada and elsewhere..		8,335 15 4		
Roads—*contd.* and carried over ...Rs.		8,335 15 4		
Loan Works—*contd.* and carried over...Rs.			4,94,097 5 6	
Carried over...Rs.				78,34,342 4 11

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs.				83,97,253 13 5
LOAN WORKS—*continued* & brought forward Rs.			2,92,469 15 0	
New Works Loan Account on account of Markets—				
Bhuleshwar Market (value written off by debit to Income and Expenditure Account)			64,780 15 4	
Loan Works—*continued* and carried over...Rs.			3,57,250 14 4	
Carried over...Rs.				83,97,253 13 5

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1903—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.				78,34,342 4 11
LOAN WORKS—*continued* & brought forward....Rs.			4,94,097 5 6	
ROADS—*contd.* and brought forward. .....Rs.		8,335 15 4		
Executed out of 15¾ Lakhs Loan—				
Wari Bunder Road		395 13 1		
Executed out of savings on different Loans—				
Acquisition of land at different places as sites for new roads, &c.....		8,968 0 0		
Advances from Surplus Balances—				
Acquisition of the property of Mr. Karimbhoy Joomabhoy at Fergusson Road near the B. B. & C. I. Railway DeLisle Road Level Crossing ...	262 7 3			
Acquisition of land at Gola Lane	7,044 0 0			
Do. different plots of land at Cavel ...	7,618 6 5			
		14,924 13 8		
		32,624 10 1		
Less—Credits—				
15¾ Lakhs Loan—				
Wari Bunder Road	1,300 0 0			
Advances from Surplus Balances—				
Constructing overbridge at Fergusson and DeLisle Roads ... Rs. 1,328-0-0				
Acquisition of the property of Mr. Karimbhoy Joomabhoy at Fergusson Road near the B. B. & C. I. Railway DeLisle Road Level Crossing ..... „ 2,088-0-0				
	3,416 0 0			
		4,716 0 0		
			27,908 10 1	
MARKETS—				
Executed out of saving on different Loans—				
Market at Curry Road			2,173 14 4	
MISCELLANEOUS WORKS—				
Executed out of 35 Lakhs various Sanitary Works Loan—				
Health Department Bullock Stables and Quarters for Scavengers.....		841 7 10		
Executed out of the 25 Lakhs Loan for Sewerage, Water and other Sanitary Works—				
Extension of the Burial-ground at Sewri Cemetery	45 0 0			
Disposal of Town Sweepings at Chimbur	10,000 2 5			
Purchase of land in Narielwadi for future extension of burial-ground thereat	9,735 13 6			
		19,780 15 11		
Executed out of the Loan of Rs. 19¼ Lakhs—				
Purchase of Government land for the site of the Naserwanji M. Petit Public Hall	1,844 13 10			
Purchase of two sites of land required for burning and burial grounds at Mahim (including cost of enclosure walls)	1,425 15 9			
Extra cost of the scheme for the disposal of Town Sweepings at Chimbur	809 6 8			
		4,080 4 3		
Executed out of savings on different Loans—				
Latrines at Colaba	4,820 9 2			
20 additional wagons for the disposal of Town Sweepings.....	2,759 0 0			
Constructing new quarters for an Engineer and 10 Laskars at Sankli Tank Fire Brigade Station ...	6,344 0 3			
Health Department Stables in F and G Wards ...	68,120 8 2			
Construction of a cook-room in connection with the existing Engineer's quarters and 2 nahanis in connection with the existing lascars' quarters at Sankli Tank Fire Brigade Station	1,382 10 3			
		83,426 11 10		
		1,08,129 7 10		
Less—Credits—				
35 Lakhs Various Sanitary Works Loan—				
Health Department bullock stables and quarters for scavangers	16,776 12 11			
Advances from Surplus Balances—				
Health Department Stables in F and G Wards.	68,120 8 2			
		84,897 5 1		
			23,232 2 9	
Loan Works—*contd.* and carried over... Rs.			5,47,412 0 8	
Carried over...Rs.				78,34,342 4 11

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ... . Rs.				83,97,253 13 5
LOAN WORKS—*contd.* and brought forward ..... Rs.			3,57,250 14 4	
PLAGUE EXPENDITURE SUSPENSE ADJUSTMENT ACCOUNT—				
Amount written off by debit to Income and Expenditure Account			8,00,000 0 0	
			11,57,250 14 4	
PLAGUE CHARGES—				
Plague Charges payable out of Loan Funds, written off by debit to Plague Expenditure Suspense Adjustment Account			2,31,391 1 8	
				13,88,642 6 0
DEBT—				
Loan of Rs. 24½ Lakhs for Sewerage and Water Works (3rd Instalment)			4,00,000 0 0	
Permanent Loan of Rs. 20 Lakhs for Plague purposes (3rd Instalment)			8,00,000 0 0	
				12,00,000 0 0
ADVANCES—				
(*a.*)—CASH ADVANCES TO MUNICIPAL AND PLAGUE OFFICERS—				
Municipal Officers		48,524 8 7		
Plague Officers		372 0 3		
			48,896 8 10	
(*b.*)—INTER-DEPARTMENTAL CHARGES—				
Workshops (Private & Departmental Works) ...		1,41,423 13 7		
Private Works (Engineer's Department)		56,264 14 9		
Departmental Works (do.)		1,18,277 9 1		
			3,15,966 5 5	
(*c.*)—ADVANCES TO CONTRACTORS			97,488 7 8	
(*d.*)—MISCELLANEOUS			1,537 5 3	
(*e.*)—RESERVE STOCK—				
Engineer, Drainage		64,429 7 11		
Do. Executive		23,796 3 7		
Do. Water Works		91,278 10 4		
General Stock		90,501 7 0		
Parel Stores, Plague		17,856 13 1		
		2,87,862 9 11		
Stock Adjustment Account—Surplus and obsolete stores (Engineer, Water)		31,261 9 0		
			3,19,124 2 11	7,83,012 14 1
DEPOSITS—				
(*a.*)—BANK OF BOMBAY ON ACCOUNT OF CONTRACTORS, &c., PAPER DEPOSIT			83,600 0 0	
(*b.*)—SURPLUS FUNDS INVESTMENTS—				
Paper Deposit		5,47,775 0 0		
Cash Deposit		10,433 3 0		
Current Account Deposit		5,22,884 7 0		
Fixed Deposit		11,85,932 4 8		
			22,67,024 14 8	
Deposits—*contd.* and carried over ... Rs.			23,50,624 14 8	
Carried over... Rs.				1,17,68,908 11 6

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1903—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs.				78,34,342 4 11
LOAN WORKS—*contd.* and brought forward .....Rs.			5,47,412 0 8	
PLAGUE CHARGES			2,31,391 1 8	
				7,78,803 2 4
				86,13,145 7 3
INCOME AND EXPENDITURE ACCOUNT—				
Value of pumping machinery, engine house, two more pumping engines and Bhuleshwar Market (paid out of Loan Funds) now written off.....			3,57,250 14 4	
Plague charges written off in addition to Rs. 26,50,000 previously written off			8,00,000 0 0	
				11,57,250 14 4
PLAGUE EXPENDITURE SUSPENSE ADJUSTMENT ACCOUNT.....				2,31,391 1 8
DEBT—				
REPAYMENT—				
Vehar Debt		15,299 4 4		
Drainage Loan of 1878		46,000 0 0		
			61,299 4 4	
INVESTMENT OF SINKING FUND AND OF INTEREST ACCRUED THEREON—				
Sinking Fund Instalments		3,78,750 0 0		
Interest realizations		1,70,177 15 2		
			5,48,927 15 2	
				* 6,10,227 3 6
ADVANCES—				
(*a.*)—CASH ADVANCES TO MUNICIPAL AND PLAGUE OFFICERS—				
Municipal Officers		58,910 7 2		
Plague Officers.....		400 0 0		
			59,310 7 2	
(*b.*)—INTER-DEPARTMENTAL CHARGES—				
Workshops (Private & Departmental Works)...		1,35,223 9 6		
Private Works (Engineer's Department).....		33,811 8 6		
Departmental Works (do.).....		96,314 7 4		
			2,65,349 9 4	
(*c.*)—ADVANCES TO CONTRACTORS			82,312 11 7	
(*d.*)—MISCELLANEOUS			29,164 14 0	
(*e.*)—RESERVE STOCK—				
Engineer, Drainage		27,261 9 6		
Do. Executive		20,313 6 2		
Do. Water Works		1,01,903 8 9		
General Stock		90,053 6 6		
Parel Stores, Plague		31,888 1 0		
		2,71,419 15 11		
Stock Adjustment Account Surplus and obsolete stores (Engineer Water)		25,658 12 4		
Reserve Stock—Current suspense account (General Stock)		877 5 10		
			2,97,956 2 1	
				7,34,093 12 2
DEPOSITS—				
(*a.*)—BANK OF BOMBAY ON ACCOUNT OF CONTRACTORS, &C., PAPER DEPOSIT.....			77,600 0 0	
(*b.*)—SURPLUS FUNDS INVESTMENT—				
Paper Deposit		13,06,705 6 0		
Cash Deposit		10,433 3 0		
Current Accounts Deposit.....		8,48,877 15 1		
Fixed Deposit		10,30,932 4 8		
			31,96,948 12 9	
Deposits—*continued* and carried over...Rs.			32,74,548 12 9	
Carried over...Rs.				1,13,46,108 6 11

Of this, Rs. 1,63,991-15-8 are chargeable to Water Works Account.

STATEMENT of TOTAL RECEIPTS and DISBURSEMENTS ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ..... Rs.				1,17,68,908 11 6
DEPOSITS—*contd.* and brought forward ..... Rs.			23,50,624 14 8	
(*c*)—LOAN FUNDS—				
Paper Deposit		12,86,430 6 0		
Cash Deposit		12,04,125 12 0		
Current Account Deposit		2,50,274 15 11		
Fixed Deposit		41,54,067 11 4		
			68,94,898 13 3	
(*d*)—RESERVE FUNDS—				
1—Municipal Buildings Fire Insurance Fund—				
Paper Deposit	11,555 10 0			
Cash Deposit	2,615 15 9			
		14,171 9 9		
2—Worn-out Water Mains Renewal Fund—				
Paper Deposit	29,299 6 0			
Cash Deposit	21,126 2 6			
		50,425 8 6		
3—Net Premia, &c., Fund—				
Paper Deposit	47,945 0 0			
Cash Deposit	4,781 4 10			
		52,726 4 10		
4—School Building Fund—				
Cash Deposit		2,007 5 11		
			1,19,330 13 0	
			93,64,854 8 11	
Deposits from Contractors, &c.—				
In Cash— Rs. a. p.				
(*a*) From Contractors 2,16,453 15 6				
(*b*) „ private parties received through Departmental Officers 67,747 7 5				
(*c*) Other Deposits 1,93,494 9 8				
	4,77,696 0 7			
In Government Paper kept in Office 39,000 0 0				
In Government Paper lodged at the Bank of Bombay 77,600 0 0				
On account of work performed for private parties 4,396 4 1				
	1,20,996 4 1			
		5,98,692 4 8		
Government of Bombay on account of Income Tax		33,018 11 6		
			6,31,711 0 2	
			99,96,565 9 1	
CHEQUES PAYABLE			1,31,00,337 1 6	
BOOK VALUE OF MUNICIPAL LAND AT AGRIPADA, &C., TRANSFERRED TO THE IMPROVEMENT TRUST			18,40,559 0 0	
BOMBAY IMPROVEMENT TRUST FOR LAND TRANSFERRED—VALUE OF LAND AT VINCENT ROAD RESUMED BY THE MUNICIPALITY			1,451 8 0	
				2,49,38,913 2 7
			Total Rs. ...	3,67,07,821 14 1

W. E. WAITE,
Chief Accountant.

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1903—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward .....Rs.				1,13,46,108 6 11
DEPOSITS—*contd.* and brought forward.....Rs.			32,74,548 12 9	
(*c*)—LOAN FUNDS—				
Paper Deposit		3,39,945 0 0		
Cash Deposit		12,04,281 15 0		
Current Account Deposit		4,02,281 7 10		
Fixed Deposit		43,09,067 11 4		
			62,55,576 2 2	
(*d*)—RESERVE FUNDS—				
1.—Municipal Buildings Fire Insurance Fund—				
Paper Deposit	18,955 10 0			
Cash Deposit	2,569 2 0			
		(*a*) 21,524 12 0		
2.—Worn-out Water Mains Renewal Fund—				
Paper Deposit	74,649 6 0			
Cash Deposit	20,036 4 0			
		(*b*) 94,685 10 0		
3.—Net Premia, &c., Fund—				
Paper Deposit	3,430 0 0			
Cash Deposit	4,480 3 3			
		(*c*) 7,910 3 3		
4.—School Building Fund—				
Paper Deposit	1,965 0 0			
Cash Deposit	2,073 13 0			
		(*d*) 4,038 13 0		
			1,28,159 6 3	
			96,58,284 5 2	
Deposits from Contractors, &c.—				
In Cash—				
(*a*) From Contractors .....Rs. 1,90,325 10 10				
(*b*) „ private parties received through Departmental Officers ... 88,064 7 3				
(*c*) Other Cash Deposits... 1,61,678 3 7				
	4,40,068 5 8			
In Government Paper kept in Office	46,600 0 0			
Do. do. lodged at the Bank of Bombay	83,600 0 0			
On account of work performed for private parties	4,433 0 1			
		5,74,701 5 9		
Government of Bombay on account of Income Tax.....		32,953 10 2		
			6,07,654 15 11	
			1,02,65,939 5 1	
CHEQUES PAYABLE			1,31,04,704 6 5	
BOMBAY IMPROVEMENT TRUST FOR LAND TRANSFERRED			18,40,559 0 0	
BOOK VALUE OF MUNICIPAL LAND AT AGRIPADA &C., TRANSFERRED TO THE IMPROVEMENT TRUST —VALUE OF LAND AT VINCENT ROAD RESUMED BY THE MUNICIPALITY			1,451 8 0	
				2,52,12,654 3 6
				3,65,58,762 10 5
Cash Balance (in Bank and Office Treasuries) on 31st March 1903 ...				1,49,059 3 8
			Total ...Rs.	3,67,07,821 14 1

	Rs. a. p.	Rs. a. p.
(*a*)—Total Debits	21,524 12 0	
Less—Withdrawals as per contra to meet the cost of Securities purchased (Rs. 14,171-9-9—Rs. 91-14-9 as per page 77)	14,079 11 0	
Net payment during the year ...		7,445 1 0
(*b*)—Total Debits	94,685 10 0	
Less—Withdrawals as per contra to meet the cost of Securities purchased	50,425 8 6	
Net payment during the year ...		44,260 1 6
(*c*)—Total Debits.....	7,910 3 3	
Less—Withdrawals as per contra to meet the cost of Securities purchased (Rs. 52,726-4-10—Rs. 49,215-2-2 as per page 79).....	3,511 2 8	
Net payment during the year ...		*4,399 0 7
(*d*)—Total Debits	4,038 13 0	
Less—Withdrawals as per contra to meet the cost of Securities purchased	2,007 5 11	
Net payment during the year ...		2,031 7 1
	Total Rs.	58,135 10 2

* Of this, Rs. 4,047-7-9 is chargeable to Water Works Account.

W. L. HARVEY,
Municipal Commissioner.

REVENUE.

Report on the working of the Assessment and Collection Department for the year 1902-1903 by Mr. R. P. Brunton, Assessor and Collector, as forwarded with his letter No. 11253, dated 29th June 1903.

1. The total collected under all heads, exclusive of Miscellaneous Receipts (fees, &c.), was Rs. 51,64,459, against the estimate of Rs. 50,43,025, a difference of Rs. 1,21,434 detailed as under :—

Taxes.	Estimate.	Actual Collection, including adjustments.	Increase.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
General	26,87,000 0 0	27,02,037 0 0	15,037 0 0
*Water	14,09,350 0 0	14,83,176 0 0	73,826 0 0
Halalkhor	7,72,000 0 0	8,01,855 0 0	29,855 0 0
Wheel	1,74,675 0 0	1,77,391 0 0	2,716 0 0
Total ...	50,43,025 0 0	51,64,459 0 0	1,21,434 0 0

* Exclusive of Meter Hire and Receipts by the Dy. Executive Engineer, Water Works.

2. As compared with the total collections for 1901-1902, *viz.*, Rs. 51,67,545, the collections for 1902-1903, *viz.*, Rs. 51,64,459, are less by Rs. 3,086 ; the decrease is due to the outstanding balance being less for recovery on 1st April 1902 than that on 1st April 1901.

3. On the 31st March 1903, the outstandings for Property Taxes, charges for Water by Meter and Wheel Tax (private) were Rs. 1,98,036 against Rs. 2,46,543 on 31st March 1902 ; of which Rs. 89,097 have been collected or adjusted up to 15th June 1903, leaving at that date Rs. 1,08,939 for recovery for all previous years. In this sum of Rs. 1,08,939, Rs. 33,062 are in dispute on account of valuations, Water-supply by Meters, &c., and Rs. 572 are to be adjusted departmentally, whilst Rs. 242 are irrecoverable.

4. Properties in the Assessment Book were on 31st March 1903 :—

Buildings	35,170
Salt-pans	84
Lands including tanks and wells	19,379
	54,633

of which 41,613 were assessed for the General Tax, 4,930 were exempted under Section 143 (1) (*a*) and 8,090 were not charged the tax, being small plots of waste lands, houses marked "Unfit for Human Habitation," the assessments of which were temporarily reduced to a nominal value of Rs. 6, for which no bills were issued.

5. The number of new buildings erected and of buildings demolished or enlarged in 1902-1903 were 918, 753 and 391, respectively.

6. The assessments of properties contrasted with those of 1901-1902 were :—

Years.	Opening assessment (gross).	Amount after disposal of complaints.		Amount of subsequent reductions during the year by demolitions and on complaints.	Gross amount after deductions of subsequent reductions.	Subsequent enhancement. (New buildings, enlargements and under-assessments) Gross.	Total gross assessments.	Increase. Final difference over preceding years Gross assessment.	Rateable assessments.	Classification of rateable assessments.			
		No. of complaints against opening assessment.	Gross assessment.							Chargeable with General Tax.	Exempt from General Tax, Section 143 (1) (a) (b).	For which no General Tax bills issued.	Total rateable assessments.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1901-1902	3,16,88,676	2,481	3,17,20,582	5,00,966	3,12,19,616	5,92,009	3,18,11,625	4,36,519	2,86,41,750	2,61,13,160	25,10,637	17,953	2,86,41,750
1902-1903	*3,14,15,858	2,182	3,13,45,412	5,10,966	3,08,34,446	10,56,954	3,18,91,400	79,775	2,87,13,672	2,68,15,493	18,80,848	17,331	2,87,13,672

* Exclusive of Municipal properties, which the Corporation neither let nor have the right to let, *viz.*, Rs. 7,06,483.

7. Had the assessments of the Municipal properties been included in the figures of 1902-1903 in column 8 of the above table the actual increase in 1902-1903 over that of last year in column 9 would have been Rs. 7,86,258. This increase of Rs. 7,86,258 is due to under assessments, rise in rents, erection of new buildings and enlargements.

8. There were 2,182 complaints against the assessments made from 1st April, and 769 against the assessments made during the currency of the year, total 2,951 complaints.

9. The following tables give the increases and decreases in property taxes levied, as compared with those of 1901-1902 :—

General Tax.

1901-1902.				1902-1903.				Increase—Difference between columns 4 and 8.
10½ per cent.	Compounded sum payable by Government under Section 144 (3).	Compounded sum payable by the Port Trustees under Section 145 (3).	Total of columns 1, 2 and 3.	10½ per cent.	Compounded sum payable by Government under Section 144 (3).	Compounded sum payable by the Port Trustees under Section 145 (3).	Total of columns 5, 6 and 7.	
1	2	3	4	5	6	7	8	9
Rs. a. p. 24,10,210 7 0	Rs. a. p. 1,32,814 12 0	Rs. a. p. 1,98,826 0 0	Rs. a. p. 27,41,851 3 0	Rs. a. p. 24,83,653 0 4	Rs. a. p. 1,32,814 12 0	Rs. a. p. 1,98,826 0 0	Rs. a. p. 28,15,293 12 4	Rs. a. p. 73,442 9 4

The amount of General Tax on properties exempted from its payment under Section 143 (1) (*a*) (*b*) is Rs. 1,99,596, against Rs. 2,65,496 in 1901-1902.

Water Tax.

1901-1902.				1902-1903.				Difference.			
On rateable value.	Compounded.	On Meter measurement.	Total.	On rateable value.	Compounded.	On Meter measurement.	Total.	Increase on rateable value.	Decrease Compounded.	Decrease on Meter measurement.	Total. (Decrease).
1	2	3	4	5	6	7	8	9	10	11	12
Rs. a. p. 6,37,998 1 11	Rs. a. p. 33,096 0 11	Rs. a. p. 7,98,552 10 10	Rs. a. p. 14,69,646 13 8	Rs. a. p. 6,41,304 3 1	Rs. a. p. 29,228 14 9	Rs. a. p. 7,88,106 4 0	Rs. a. p. 14,58,639 5 10	Rs. a. p. 3,306 1 2	Rs. a. p. 3,867 2 2	Rs. a. p. 10,446 6 10	Rs. a. p. 11,007 7 10

Note 1.—For Compounded Charge—The decrease is due to the change of rates. In 1901-1902 a rate of Rs. 5 was charged for such religious and charitable properties as had water connections without meters and a rate of Re. 1 was charged for such religious and charitable properties as had no water connections. In 1902-1903 these rates were not charged, but a charge on value of such properties was made.

2. For tax on Meter Measurement—The decrease is due to the figure in column 3, including the amount of water consumed from 1st October 1900 to 31st March 1901 and charged at the rate of annas 9 per 1,000 gallons for domestic purposes and bungalows with gardens, whilst the rate was 6 annas per 1,000 gallons for such properties in 1902-1903.

10. *Halalkhor Tax.*

1901-1902.			1902-1903.			Difference.		
On rateable value.	Special service.	Total.	On rateable value.	Special service.	Total.	Increase on rateable value.	Decrease on special service.	Total. (Decrease.)
1	2	3	4	5	6	7	8	9
Rs. a. p. 5,87,327 14 1	Rs. a. p. 1,99,927 9 10	Rs. a. p. 7,86,455 7 11	Rs. a. p. 6,22,651 7 10	Rs. a. p. 1,56,166 13 4	Rs. a. p. 7,78,818 5 2	Rs. a. p. 35,423 9 9	Rs. a. p. 43,060 12 6	Rs. a. p. 7,637 2 9

Note.—The decrease in Special Halalkhor tax in column 8 is due to the levy of Special Halalkhor tax on chawls having been discontinued from 1st April 1902. *See* Standing Committee's Resolution No. 10623, dated 18th December 1901.

10. The total demand on account of Property Taxes amounted to Rs. 50,52,751-7-4 (including Government and Port Trust), to which is to be added Rs. 26,821-5-11 demand on account of previous years, making a total of Rs. 50,79,572-13-3 ; from which sum Rs. 1,04,572-1-7 were allowed as 1-5th drawback on the General Tax, under Section 158 (2) of the Act, the number of claims being 17,060.

11. For these taxes, 657 bills for Rs. 26,821-5-11 were issued for previous years and for 1902-1903, 74,053 bills for 46,16,538-9-9 (excluding Government and Port Trust, for which no bills are issued, the amount being paid direct into the Chief Accountant's Office), a total of 74,710 bills for Rs. 46,43,359-15-8.

12. The outstanding balance for Property Taxes for all years on 31st March 1902 was Rs. 2,37,639-0-8; during 1902-1903, bills for these taxes amounting to Rs. 46,43,359-15-8 were issued. Government and the Port Trust paid Rs. 3,31,640-12-0 (Rs. 1,32,814-12-0 and Rs. 1,98,826-0-0), making a total of Rs. 52,12,639-12-4.

Of this amount Rs. 49,87,067-15-4 were collected, *viz.*, Rs. 1,95,730-5-3 for former years and Rs. 47,91,337-10-1 for 1902-1903, leaving uncollected Rs. 2,25,571-13-0, from which the following sums are to be deducted :—

Rs. 396-7-1 written off by the Standing Committee's Resolutions Nos. $\frac{15088}{26\text{-}3\text{-}1902}$, $\frac{1216}{14\text{-}5\text{-}1902}$, $\frac{4701}{20\text{-}8\text{-}1902}$, $\frac{8412}{5\text{-}11\text{-}1902}$ and $\frac{12390}{11\text{-}2\text{-}1903}$ and Rs. 37,484-5-11 on bills cancelled, amended bills being issued, total Rs. 37,880-13-0.

13. The outstandings on 31st March 1903 were Rs. 30,849-4-4 on account of former years, and Rs. 1,56,841-11-8 for 1902-1903. Total Rs. 1,87,691-0-0.

14. Tax on *Vehicles* and *Animals*.—The demand on account of the tax on private vehicles and animals for the former quarters ended 31st December 1902 was Rs. 1,79,951-15-0, against Rs. 1,71,111-14-0 for 1901, to the first sum are to be added Rs. 8,904-8-11 outstanding on the 31st March 1902 and Rs. 573-12-8 charges for former years, a total of Rs. 1,89,430-4-7 for recovery, 17,219 bills were issued and the amount collected was Rs. 1,77,391-7-0, leaving Rs. 12,038-13-7 uncollected, of which Rs. 287-7-7 were written off under the Standing Committee's Resolutions quoted in para. 12; Rs. 1,406-3-0 were on bills recalled, amended bills being issued, making a total of Rs. 1,693-10-7 which, deducted from Rs. 12,038-13-7, leaves Rs. 10,345-3-0 outstanding at the end of the year.

15. During the year there were taxed 3,521 four-wheeled vehicles (including 2 motor cars), 921 two-wheeled vehicles, 598 vehicles not drawn by horses, 1,305 cycles, 5,562 horses (including those in commission stables), 222 ponies, 970 bullocks, 3 donkeys and 2 mules.

16. The following table shows the total demands, collections and balances on account of Property Taxes and tax on private vehicles and animals :—

Year.	Amount to be collected.			Bills written off under Standing Committee's Resolutions and bills recalled for amendment.	Collections.	Outstanding Balance on 31st March 1903.
	Opening Outstanding Balance.	Demand assessed for the year and for former years.	Total.			
1	2	3	4	5	6	7
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1902-1903	2,46,543 9 7	51,55,526 7 4	54,02,070 0 11	39,574 7 7	51,64,459 6 4	1,98,036 3 0

17. The miscellaneous receipts for notices, warrants and Bataki fees and other small items amounted to Rs. 6,422-14-5 against Rs. 5,913-8-7 in 1901-1902. The receipts for meter hire were Rs. 19,595-5-10 against Rs. 21,402-12-2 for 1901-1902.

18. Certificates of Refund for Taxes were issued as under for 1902-1903 and for former years :—

	Rs.	a.	p.
General Tax	16,852	5	7
Water Tax	6,517	6	1
Halalkhor Tax	6,614	7	8
Wheel Tax	12	4	0
Meter Hire	5	0	0
Total Rs.	30,001	7	4

19. There were 49 appeals to the Chief Judge of the Small Causes Court, *viz.*:—

42 against rateable value,
2 against Halakhor Tax (1 against ordinary and 1 against Special Halalkhor tax),
2 against Water Tax,
1 against Meter Hire,
2 against Wheel Tax, of these—
1 was allowed,
2 were withdrawn by the appellants,
6 were dismissed,
36 were settled,
2 were postponed pending disposal of the reference made by the Chief Judge of the Small Causes Court to the High Court, and
2 pending.

20. In conclusion I beg to refer to paras. 22 and 23 of my report for 1901-1902.

R. P. BRUNTON,
Assessor and Collector.

No. 1058 of 1903-1904.

BOMBAY MUNICIPALITY, *1st July* 1903.

FROM THE REVENUE AND REFUND AUDIT OFFICER,

To W. L. HARVEY, ESQ., C.I.E., Municipal Commissioner for the City of Bombay.

SIR,—I have the honour to submit the Annual Administration Report of the Revenue and Refund Audit Department for the official year 1902-1903. The Revenue and Refund Audit Officer, Mr. Pearson, has been on two years' furlough from the 25th September 1902, from which date till the 19th November 1902, Mr. R. N. Coyajee, Town Duty Refund Examiner, acted as Revenue and Refund Audit Officer. From the 20th November 1902 I have been appointed to act for Mr. Pearson.

1. REVENUE AUDIT.

I.—ASSESSOR AND COLLECTOR'S DEPARTMENT.

(*a*) *Ward Offices.*

2. The balances and books of the 64 ward clerks in the seven wards of the City were duly examined at the end of each quarter. The amount of audit work done on each of these occasions is shown in detail in Appendix A.

3. The 52,283 bills for Rs. 26,84,034-9-2 were duly checked in detail with the Ward Office Bill Book, Form 16 (every entry in which was subjected to scrutiny), and in totals, which were themselves tested with the book, kept under para. 9 at page 155 of the Manual, which is practically the Ward clerk's ledger. They were also checked with the Head Accounts (Forms 8 and 9) both in detail and in totals, respectively.

(*b*) *Head Office.*

4. The Assessment Book in both its parts, one for the General Tax and the other for the Water and Halalkhor Taxes was duly examined, and the exemptions from the payment of the General Tax, the Water Tax and the Halalkhor Tax were duly checked with a view to ascertain that no property liable to pay any or all of these taxes had escaped assessment.

5. The Vehicle and Animal Tax Book, kept under section 186 of the Act, was also examined, and all the entries therein checked with the quarterly returns of the Ward Superintendents, where necessary, also with the owners' returns, under section 187, and with the charges made for the preceding quarters. Appendix B gives the details for each ward.

6. As the year recognised by the Bombay Act VI of 1863 is the calendar year, the Revenue from the Tax on Public Land Conveyances, licensed by the Commissioner of Police under that Act, was also audited for the twelve months, from 1st January to 31st December 1902, the certificates of issue of licenses supplied by that officer under arrangements made with him having been duly checked with the register kept by the Chief Accountant. The following table shows the work done :—

Description of Public Land Conveyances.	Number of Certificates or Vouchers.	Amount of Revenue, including fees for Licenses, Badges, &c.
		Rs. a. p.
Victorias	1,729	61,133 0 0
Riding Hackeries...	502	4,401 12 0
Labour Carts	9,384	1,08,284 2 0
Total ...	11,615	1,73,818 14 0

7. Appendix C shows the number of claims to one-fifth draw-back under section 158 (2) of the Act, which were scrutinized by this office during 1902-1903.

8. The alterations in value and in demand made through the increase and decrease Forms 11, 11-A, and 11-B, were duly checked with the authority for such alterations, as contained in your orders in the Tabulated Ward report (Form 13), and in separate sanctions recorded in the Audit Note Books kept in this office. The total number of such entries checked was 8,269.

9. The number of complaints against valuations under section 163 heard by the Revenue and Refund Audit Officer was—159-B Mandvi Ward, 318-D Girgaum Ward, 180-F Parel Ward, and 276-G Mahim Ward. The total number of decisions on complaints against amendments under Section 167 of the Act which were scrutinized by this office amounted to 361 from all the seven wards of the City.

10. Sixty-one irrecoverable bills for Rs. 668-12-5 were scrutinized and submitted to you in the prescribed form for action under Section 216 of the Act. The Standing Committee under their Resolutions Nos. 1216, 4701, 8412 and 12390, dated 14th May 1902, 20th August 1902, 5th November 1902 and 11th February 1903, respectively, sanctioned the writing off of 61 bills, amounting to Rs. 668-12-5, as per details given in the subjoined table:—

Wards.	No. of Bills.	Amount.				
		Property Taxes.	Tax on Vehicles and Animals.	Compounded Water Charge.	Process Fees.	Total.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A ...	5	.....	42 8 3	.....	.....	42 8 3
B ...	7	.....	55 11 0	.....	.....	55 11 0
C ...	8	23 9 1	19 11 5	.....	2 8 0	45 12 6
D ...	12	28 5 11	68 12 8	.....	.....	97 2 7
E ...	10	196 11 3	31 0 0	.....	1 0 0	228 11 3
F ...	13	133 5 3	38 2 0	.....	.....	171 7 3
G ...	6	14 7 7	13 0 0	.....	.....	27 7 7
Total...	61	396 7 1	268 13 4	.....	3 8 0	668 12 5

11. The demands, collections and balances of the Department at the close of the year, as duly audited in the manner contemplated by the Manual, are summarized below:—

———	The General Tax.	The Water Tax.	The Halalkhor Tax.	The Vehicle and Animal Tax.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
I.—Total demands as represented by bills issued ...	29,42,559 6 7	16,12,610 7 0	8,88,760 3 0	1,91,506 13 7	56,35,376 14 2
II.—Deduct bills recalled, which either cancelled or for which amended bills were issued...	1,42,219 6 2	78,384 12 11	48,110 7 1	3,479 1 0	2,72,193 11 2
III.—Net demand for collection	28,00,340 0 5	15,34,225 10 1	8,40,589 11 11	1,88,027 12 7	53,63,183 3 0
IV.—(*a*) Collection paid into the Treasury, including Departmental adjustments	27,02,037 7 2	14,83,176 13 1	8,01,955 14 3	1,77,391 7 0	51,64,561 9 6
(*b*) Irrecoverable bills written off	341 3 5	86 12 6	68 7 2	291 2 7	687 9 8
Total of IV. ...	27,02,278 10 7	14,83,263 9 7	8,02,024 5 5	1,77,682 9 7	51,65,249 3 2
V.—Balance at the close of the year	98,061 5 10	50,962 0 6	38,565 6 6	10,345 3 0	1,97,933 15 10

The collections were checked with the totals of the Chief Accountant under each head, and the balances by an examination of the bills actually on hand in the several ward offices on 1st April 1903. They were found to be correct.

II.—Engineer's Department.

12. The Revenue Books kept in the Streets and Buildings, Water Works, Drainage and Special Drainage Branches of the Executive Engineer's Offices were duly checked each month with the permits, receipts, vouchers and other papers supporting the several entries therein, the object of the audit being to see that the charges were correctly calculated at rates duly sanctioned, and that the collections as shown by the various books were all paid into the Municipal Treasury. The number of vouchers examined (under the 24 heads of Revenue detailed in the table of the 1899-1900 year's Report) was 8,280, representing Rs. 38,620-4-6.

13. A comparison of the Engineer's accounts with the Audit Note Book in this office, which records your sanction in each case as it passes through this office, showed that in 19 cases the fees, the levy of which had been sanctioned by you in the course of the year under report, had not been collected and paid into the Municipal Treasury up to the close of the year, and those 19 cases were duly brought to the notice of the Executive Engineer in this office No. 615 of 22nd May 1903, which was forwarded to him through you.

III.—Health Department.

14. The Revenue Books kept in the Health Office, as well as those kept in the four Divisional Health Offices, Nos. 1 to 4 Divisions (No. 2 Division being closed from 1st March 1903 as per Health Officer's Circular, dated 20th January 1903) were duly checked each month with the receipts, vouchers and other papers supporting the entries therein, the object of the Audit being to ascertain that the amounts collected as shown by the various books were at the rates fixed under due authority, and that they were all paid into the Municipal Treasury. The number of vouchers examined (under the 17 Heads of Revenue detailed in the table of 1899-1900 year's Report) was 25,629, representing Rs. 73,660-13-5.

IV.—Licensing Department.

15. The number of Licenses for 1902-1903, the issue of which was sanctioned by you under sections 394 and 393 of the Act for the several purposes mentioned in Schedule M (*vide* Appendix G of the 1899-1900 year's report), was 6,518 for Rs. 71,983, and each of the 6,518 cases passed through this office, and was duly scrutinized, particularly with reference to the amount of fee leviable. The register of the Superintendent and the counterfoils of the several License Books were also checked with the Audit Note Book kept in this office in accordance with your No. 3176 of 20th May 1890, and with the counterfoils of the receipts given by the Chief Accountant's cashier for the purpose of seeing that the full amount of fee leviable in each was collected and paid into the Municipal Treasury.

V.—Markets and Slaughter Houses.

16. The registers and accounts kept for the different markets and Bandra Slaughter Houses were duly checked with the counterfoils of receipts issued to stall-holders, &c., and with the other vouchers available. The total number of vouchers examined (under the 29 Heads of Revenue detailed in the tables of the 1899-1900 year's Report) was 12,171, representing Rs. 4,39,561-10-2, which amount appeared duly credited into the Municipal Treasury.

VI.—Victoria Gardens.

17. The Revenue Books kept in the Superintendent's Office were duly checked with the counterfoils of receipts issued for the sale of garden produce as well as with the counterfoils of tickets issued for the elephant rides in the Victoria Gardens. The number of vouchers examined was 17,327, representing Rs. 10,356-6-3, which amount appeared duly credited into the Municipal Treasury.

General.

18. As the monthly or quarterly audit of the several departments proceeded, the errors, irregularities or omissions, which were discovered in the course of it, were brought to the notice of the Heads of Departments concerned by means of official communications addressed to them through you.

II.—Refund.

1.—Assessment Department.

19. The number of claims to refund for vacancy under sections 174 to 179 of the Act, and on account of over-collections, which were scrutinized and sanctioned by this office in the year under report, was 1,525, representing Rs. 30,187-10-2.

Town Duty Refunds.

20. As the Port Trustees and the two Railway Companies send in no Administration Reports of the town dues collected by them on behalf of the Municipality, it is usual for this office to submit the two statements (compiled in respect of collections from figures supplied by the Chief Accountant) marked as Appendices D and E to this report. The following table compares the total results for the year under report with those for the previous year :—

Year.	Gross Revenue.			Total Refunds.			Net Revenue.		
	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.
1901–1902...	21,89,404	3	6	11,07,157	4	0	10,82,246	15	6
1902–1903...	23,13,893	14	9	11,53,478	3	0	11,60,415	11	9

21. The rates of duty on the several articles were the same as in the previous year, except in the case of ghee, the duty on which was lowered from annas 10 to annas 8 per Bombay maund. Notwithstanding this, the net revenue, it is satisfactory to note, is better than that of the preceding year by Rs. 78,168, a result that is mainly attributable to the large increase of Rs. 86,858 under the head of sugar which was more largely imported than in the previous year. The one other notable increase, *viz.*, of Rs. 34,824 under grain and flour, has been more than counterbalanced by the decrease, due solely to reduction of rate of duty, of Rs. 38,897 under ghee. The other variations are unimportant.

22. The refunds exhibit slight increases under several heads, and the only noticeable variations are an increase of Rs. 33,785 under sugar and a decrease of Rs. 13,123 under grain.

23. The number of refund claims dealt with during the year was 44,633 against 47,083 in the previous year.

24. An event of special note that took place during the year of report was the discovery of two cases of fraud practised in connection with exports from the Carnac Bridge Station of the B. B. & C. I. Railway, the fraud consisting in considerably larger weights being certified than the correct ones shown in the railway consignment notes, and in the refunds being claimed and drawn on the former. I feel it due to the Agent, the Chief Auditor and the Traffic Manager of the Company to mention here that they appreciated the gravity of these discrepancies, and invited a systematic investigation by the Municipality into all the cases of some consecutive period as furnishing a correct basis for determining whether the discrepancies were due to mere error or oversight or to something worse. With their co-operation the inquiry was commenced, and it disclosed a great number of cases in which frauds had been committed in various ways. The scope of the inquiry was then extended, a special temporary establishment was allowed for conducting it, and a state of things has now come to light upon which it will suffice for the present to say that constant direct supervision by the Municipality over the work done on its behalf by its agencies, has now become a matter of greater necessity than ever before. Even the Railway Companies themselves now recognize the necessity of the step. A carefully devised system of check will more than repay such reasonable expenditure as may be incurred in carrying it out, besides imparting a greater degree of fairness to our dealings with the trade, and, what is even more desirable, inspiring in the honest trader a sense of greater security against such unfair trade competition as must naturally result from the existence of malpractices.

Conclusion.

25. In addition to the above, the office had to deal with correspondence of all Departments affecting revenue which passes through this office, and with questions of principles relating to revenue, the importance of which can scarcely be judged by the number of Inward and Outward references, which were, respectively, 4,712 and 5,241 in the year under report.

I have the honor to be,

Sir,

Your most obedient servant,

S. B. MASTER,

Ag. Rev. and Refd. Audit Officer.

Appendix A.

STATEMENT of Balances examined Quarterly during 1902-1903.

No. of Ward Clerks.	Wards.	Balances examined on 1st April 1902.		Balances examined on 1st July 1902.		Balances examined on 1st October 1902.		Balances examined on 3rd January 1903.		Total Balance examined during the year.	
		No. of Bills.	Amount.	No. of Bills.	Amount.	No. of Bills.	Amount.	No. of Bills.	Amount.	No. of Bills.	Amount.
			Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.
12	A—Fort and Colaba	2,003	1,01,222 4 0	4,565	4,28,094 2 8	1,393	72,855 15 5	4,166	3,96,017 14 1	12,127	9,98,190 4 2
10	B—Mandvi	647	29,970 13 7	3,542	2,28,622 3 3	357	17,395 12 11	4,092	2,42,009 4 2	8,638	5,17,998 1 11
12	C—Bhuleshwar	904	39,699 2 11	4,000	1,99,796 14 4	647	27,828 15 8	3,953	2,00,986 1 2	9,504	4,68,311 2 1
8	D—Girgaum	1,007	28,592 6 2	3,099	1,47,373 6 2	730	27,098 15 1	3,129	1,39,637 11 8	7,965	3,42,702 7 1
12	E—Byculla	906	29,824 10 10	1,835	85,058 6 0	479	14,752 1 8	2,097	82,002 7 1	5,317	2,11,637 9 7
5	F—Parel	377	8,697 13 2	1,156	25,858 0 4	273	8,959 7 11	1,081	20,904 6 0	2,887	59,419 11 5
5	G—Mahim	575	8,543 6 11	2,347	33,634 14 4	500	8,937 7 3	2,423	54,659 8 5	5,845	85,775 4 11
64	Total ...	6,419	2,46,550 9 7	20,544	11,48,437 15 1	4,379	1,72,828 11 11	20,941	11,16,217 4 7	52,283	26,84,034 9 2

Appendix B.

STATEMENT of Entries in the Vehicle and Animal Tax Book checked with the Quarterly Return and Forms VI and VIII.

Wards.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Total No. of Entries.	
A—Fort and Colaba ..	1,069	1,204	1,356	1,472	5,101	
B—Mandvi	543	618	684	724	2,569	
C—Bhuleshwar ...	784	843	912	990	3,529	
D—Girgaum ...	1,214	1,336	1,419	1,552	5,521	
E—Byculla	670	760	842	950	3,222	
F—Parel	271	271	272	301	1,115	
G—Mahim	152	181	204	229	766	
Total ...	4,703	5,213	5,689	6,218	21,823	

Appendix C.

STATEMENT of ½ Drawback Cases sanctioned during 1902-1903.

Wards.	1st half of 1902-1903.			2nd half of 1902-1903.			Total for the year.		
	No. of claims received.	No. of claims admitted.	Amount of Drawback sanctioned.	No. of claims received.	No. of claims admitted.	Amount of Drawback sanctioned.	No. of claims received.	No. of claims admitted.	Amount of Drawback sanctioned.
			Rs. a. p.			Rs. a. p.			Rs. a. p.
A—Fort and Colaba.	554	404	6,786 0 6	513	384	7,017 15 5	1,067	788	13,803 15 11
B—Mandvi ...	1,832	1,528	13,323 7 7	1,835	1,480	12,424 6 1	3,667	3,008	25,747 13 8
C—Bhuleshwar ...	2,731	2,221	18,159 15 8	2,454	1,961	15,329 8 0	5,185	4,182	33,489 7 8
D—Girgaum ...	966	724	5,259 13 6	976	748	5,426 7 3	1,942	1,472	10,686 4 9
E—Byculla... ...	1,688	1,270	7,272 2 0	1,751	1,158	6,808 11 5	3,439	2,428	14,080 13 5
F—Parel	370	283	1,343 9 0	369	258	1,457 7 11	739	541	2,801 0 11
G—Mahim ...	450	335	2,151 4 8	448	287	1,811 4 7	898	622	3,962 9 3
Total ...	8,591	6,765	54,296 4 11	8,346	6,276	50,275 12 8	16,937	13,041	1,04,572 1 7

Appendix D.

STATEMENT contrasting the Collections, Refunds, and Net Revenue from Town Duties for the years 1901-1902 and 1902-1903.

Name of Article.	COLLECTIONS.						REFUNDS.								NET REVENUE.			
	1901-1902.		1902-1903.		Increase in 1902-1903.	Decrease in 1902-1903.	1901-1902.				1902-1903.							
							On account of Exports.	On account of Articles supplied to Government.	Total.		On account of Exports.	On account of Articles supplied to Government.	Total.		Increase in 1902-1903.	Decrease in 1902-1903.	1901-1902.	1902-1903.	Increase in 1902-1903.	Decrease in 1902-1903.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Grain @ As. 6 per Candy	....		....				1,14,137 15 0				345 5 0									
Do. ,, As. 4 do.	5,42,702 8 9		5,67,289 4 9				1,67,370 8 0				2,68,039 8 0									
Total		5,42,702 8 9		5,67,289 4 9	24,586 12 0	.....		2,81,508 7 0	.....	2,81,508 7 0		2,68,384 13 0	.....	2,68,384 13 0	.....	13,123 10 0				
Flour @ As. 4½ per Candy.....	....		....				1,186 11 0				.....									
Do. ,, As. 3 do.	45 9 3		21 15 6				17,714 9 0				21,763 2 0						2,42,228 7 0	2,77,163 5 3	34,934 14 3	.....
Total		45 9 3		21 15 6	.....	23 9 9		18,901 4 0	.....	18,901 4 0		21,763 2 0	.....	21,763 2 0	2,861 14 0	.....				
Sugar @ As. 8 per Cwt.....		9,59,367 10 0		10,20,011 14 0	1,20,644 4 0	.....		7,11,304 12 0	141 3 0	7,11,445 15 0		7,45,231 10 0	.....	7,45,231 10 0	33,785 11 0	.....	2,47,921 11 0	2,34,780 4 0	86,856 9 0	.....
Wines and Spirits @ As. 4 per Impl. Gallon		2,43,164 15 8		2,53,831 6 7	10,666 6 11	.....		15,254 7 0	.....	15,254 7 0		18,574 10 0	227 3 0	18,801 13 0	3,547 6 0	.....	2,27,910 8 8	2,35,029 9 7	7,119 0 11	.....
Beer @ 6 pies per Impl. Gallon..		40,921 8 4		40,098 4 2	.....	823 4 2		25,453 10 0	.....	25,453 10 0		29,523 0 0	.....	29,523 0 0	4,069 6 0	.....	15,467 14 4	.....	.....	4,892 10 2
Ghee @ As. 10 per B'bay Maund	2,36,182 15 9		....				33,530 5 0				18,083 9 0									
Do. 8 ,, do. ..	...		2,06,917 7 9				.....				25,078 5 0									
Total		2,36,182 15 9		2,06,917 7 9	.....	29,265 8 0		33,530 5 0	.....	33,530 5 0		43,161 14 0	.....	43,161 14 0	9,631 9 0	.....	2,02,652 10 9	1,63,755 9 9	.....	38,897 1 0
Timber @ 2½ per cent. on Market Value.....		1,24,859 7 9		1,30,969 13 5	6,110 6 0	.....		21,063 4 0	.....	21,063 4 0		26,611 15 0	.....	26,611 15 0	5,548 11 0	.....	1,03,796 3 9	1,04,357 14 9	561 11 0	.....
Firewood @ Anna 1 per Candy.		42,159 8 0		34,753 12 3	.....	7,405 11 9		.....	.....	.....		.....	.....	.....	.....	.....	42,159 8 0	34,753 12 3	.....	7,405 11 9
					1,62,007 12 11	37,518 1 8									59,444 9 0	13,123 10 0			1,39,364 3 2	51,195 6 11
					37,518 1 8										13,123 10 0				52,195 6 11	
Total..Rs.		21,39,404 3 6		23,15,893 14 9	1,24,489 11 5			11,07,016 1 0	141 3 0	11,07,157 4 0		11,53,251 0 0	227 3 0	11,53,478 3 0	46,320 15 0		10,82,246 15 6	11,20,415 11 9	78,168 12 3	

Appendix E.

STATEMENT contrasting the Imports, Exports and Balances of the several Articles subjected to Town Duty during the years 1902-1903 with those of 1901-1902.

Name of Article.	IMPORTS.					EXPORTS AND SUPPLY TO GOVERNMENT BY CONTRACTORS.								BALANCE (LOCAL CONSUMPTION AND STOCK).			
	1901-1902.		1902-1903.		Increase in 1902-1903.	Decrease in 1902-1903.	1901-1902.			1902-1903.			Increase in 1902-1903.	Decrease in 1902-1903.	1901-1902.	1902-1903.	Increase in 1902-1903.	Decrease in 1902-1903.
							Exports.	Supplied to Government.	Total.	Exports.	Supplied to Government.	Total.						
Grain @ As. 6 per Candy .....Candies	..		..				3,04,368			921								
Do. do. 4 do. ..... „	21,70,810		22,69,157				6,69,482			10,72,158								
Total Candies.....		21,70,810		22,69,157	98,347			9,73,850	..	9,73,850		10,73,079	..	10,73,079	99,229			
Flour @ As. 4½ per Candy.....Candies.	..		..				4,148			.....								
Do. do. 3 do. ..... „	243		117				94,585			1,16,070					10,65,640	10,41,474		24,166
Total Candies.....		243		117		126		98,733	..	98,733		1,16,070	..	1,16,070	17,337			
Sugar @ As. 8 per Cwt..... Cwts.		19,13,735		21,60,024	2,41,289			14,22,610	282	14,22,892		14,90,463	..	14,90,463	67,571			
Wines and Spirits @ As. 4 per Impl. Gallon .....Gallons.		9,72,660		10,15,325	42,665			61,018	..	61,018		74,298	909	75,207	14,189			
Beer @ pies 6 per Impl. Gallon.. „		13,09,489		12,83,144		26,345		8,14,516	..	8,14,516		9,44,736	..	9,44,736	1,30,220			
Ghee @ As. 10 per B'bay Md. ....Maunds.	3,77,891		..				53,648			28,934								
Do. 8 per do. do.	..		4,13,835				..			50,156								
Total Maunds....		3,77,891		4,13,835	35,944			53,648	..	53,648		79,090	..	79,090	25,442			
Timber @ 2½ per cent. on Market value .....Value Rs.		49,94,380		52,38,794	2,44,414			8,42,530	..	8,42,530		10,64,477	..	10,64,477	2,21,947	41,51,850	41,74,317	22,467	
Firewood @ Anna 1 per Candy. Candies.		6,74,552		5,56,060		1,18,492		..	..	..		..	..			6,74,552	5,56,060		1,18,492

PUBLIC WORKS.

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Note.—The Report on Public Works—**A** to **J**—is by M. C. Murzban, Esq., C.I.E., F.R.I.B.A., M. Inst. C.E., Executive Engineer, Municipality, forwarded with his letter No. 3636, dated 5th June 1903.

The Report on Fire Brigade—**K**—is by W. Nicholls, Esq., Chief Officer of the Fire Brigade, forwarded with his letter No. 194, dated 14th May 1903.

The Report on Gardens—**L**—is by C. D. Mahaluxmiwala, Esq., Superintendent of Municipal Gardens, forwarded with his letter No. 376, dated 13th May 1903.

The Report on Victoria and Albert Museum—**M**—is by the Secretary and Curator, R. M. Dixon, Esq., B.A., forwarded with his letter No. 135, dated 15th May 1903.

No. 3636 of 1903-1904.

Executive Engineer's Office,
Bombay, *5th June* 1903.

To

The MUNICIPAL COMMISSIONER
for the City of Bombay.

Sir,

I have the honor to forward herewith the Administration Report of the Department under my control for the year 1902-1903 as requested in your No. A 426, dated 4th April 1903.

2. The Report is divided under the following heads :—

	Paras.
A—Introductory Remarks	3 to 14
B—New Works, &c., General...	15 to 48
C—Special Drainage Works	49 to 98
D—Ordinary Drainage Works	99 to 192
E—Water Works	193 to 237
F—Regulation of Streets and Buildings	238 to 247
G—Roads, Footpaths, &c.	248 to 257
H—Public Lighting	258 to 273
I—Workshops	274 to 296
J—General—Bills, Notices and Correspondence, Summary of Clerical Works, Plague Operations, and Municipal Servants' Act ...	297 to 301

A.

INTRODUCTORY REMARKS.

ESTABLISHMENT.

3. The second term of five years of my office of Municipal Executive Engineer expired on 24th January 1903, but I was appointed to continue as Executive Engineer pending the appointment of a permanent officer to succeed me in the post. The Corporation Resolution so appointing me bears No. 10359, dated 19th December 1902. I, therefore, held the appointment of Executive Engineer, Municipality, throughout the year, except during the period from 2nd May to 29th June 1902, when I was on one month and twenty-eight days' privilege leave. MR. C. C. JAMES, M.I.C.E., Deputy Executive Engineer, Drainage, Special Branch, conducted my duties during my absence.

4. I was assisted by the following officers in conducting the duties of the different branches of my Department:—

5. MR. C. C. JAMES, M.I.C.E., Deputy Executive Engineer, Drainage, Special Branch, was in charge of the Special Drainage Works. Mr. JAMES was allowed thirty-nine days' privilege leave from 15th December 1902, to 22nd January 1903, during which period the Special Drainage Branch was under my direct control, and its duties were conducted by me, with the assistance of MR. DINSHAW DORABJI DARUWALA, L.C.E., Superintendent of Special Drainage Works.

6. MR. NICHOLAS MAUGHAN, C.E., Deputy Executive Engineer, Drainage, was in charge of the Drainage Ordinary Branch.

7. MR. A. FAIRLIE BRUCE, M.I.C.E, Deputy Executive Engineer, Water Branch, assisted by MR. NUSSERWANJI DORABJI BHADA, L.C.E., A.M.I.C.E., Assistant Engineer, Water Works, was in charge of the Water Branch.

8. MR. B. H. HEWETT, A.M.I.C.E., Assistant Engineer, was in charge of the Mechanical Branch, and supervised the working, repairs and maintenance of the Love Grove Pumping Station, the Air Compressor Stations at Love Grove and Colaba, the Municipal Workshops and the Electric Light Installation, &c.

9. MR. HEWETT was appointed Special Officer for the detection of Water Works leakage from 12th May to 11th June 1902. During this period he measured the quantity of water brought within the City limits at that time by the Tansa and Tulsi Mains.

During the year he was made directly responsible to the Executive Engineer for the working and supervision of the Love Grove Pumping Station and the Compressor Stations at Love Grove and Colaba.

10. MR. KAIKHUSROE PESTONJI BHEDWAR, L.C.E., *sub. pro tem* Assistant Engineer, General Branch, *vice* MR. MANECKJI SHERIARJI BHARUCHA, was in charge of the Road Branch. He also assisted me in framing reports and supervising the new works in the General Branch of this Department.

11. MR. NAWROJI DADABHOY KATRAK, L.C.E., Special Assistant Engineer, was in charge of the House Improvement Branch under the Epidemic Diseases Act.

12. MESSRS. JAMSETJI DADABHOY NADIRSHAH, L.C.E., NAWROJI HORMASJI KATRAK, L.C.E., and HARI BHICAJI BHANDARE, L.C.E., Divisional Superintendents, assisted me in matters connected with Streets and Buildings.

13. MR. NADIRSHAH was allowed two months and twenty-seven days' privilege leave, from 26th May to 21st August 1902, and Mr. JEHANGIR B. MASANI, L.C.E., was appointed to act for him during that period.

14. MR. GOVINDRAM DULABHRAM, Architectural Surveyor, was in charge of the Architectural and Drawing Branches. He helped me in preparing plans and estimates and supervising the construction of the new buildings and the maintenance of existing ones. He also assisted me in carrying out the measures connected with the suppression of the Plague so far as they related to my Department, and in carrying out the illumination of Municipal buildings and roads on the occasion of the festivities held during the year in honor of the Coronation.

B.

NEW WORKS, &c.

15. Subjoined is a list of new works, each costing over Rs. 3,000. They are divided as follows :—

(*a*) Those completed during the previous years, but the accounts of which remained unadjusted till the commencement of the year under report; (*b*) those which were in progress at the beginning of the year under report and completed during that year; (*c*) those which were commenced and completed during the year; (*d*) those which were commenced but not completed during the year; and (*e*) those which have been sanctioned but not proceeded with or postponed for want of funds or other reasons.

LIST of New Works, each costing over Rs. 3,000.

Consecutive Number.	Description of Work, &c.	Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1903.	Actual or probable dates of completion.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	
	WORKS COMPLETED DURING THE PREVIOUS YEARS, BUT THE ACCOUNTS OF WHICH REMAINED UNADJUSTED TILL THE COMMENCEMENT OF THE YEAR UNDER REPORT.				
	Miscellaneous.				
1	Renewing the corrugated iron sheet roofing of the Arthur Crawford Markets (Grant of 1900-01)	10,500 0 0	9,844 2 6	.....	31st Jan. 1902.
	Drainage, Special.				
2	Providing and constructing masonry side drains on Malabar Hill	10,000 0 0	7,351 11 0	.....	28th Feb. 1902.
3	Constructing side drains on Naigam Cross Road and east and west of Ghorupdeo Road	8,957 0 0	5,284 5 6	.....	19th Feb. 1902.
	Drainage, Ordinary.				
4	Making and fixing 4 pairs of gates at Love Grove Sluices	7,345 0 0	7,313 5 8	.....	28th Feb. 1902.
5	Tidal Flaps on the Ovoid Sewers ...	13,548 0 0	11,040 9 5	.....	28th Feb. 1902.
	Water Works.				
6	Connecting dead end of water service main at Carnac and Bohra Bazar and Mahim Bazar Roads, Mody and Nagdevi Streets	5,987 0 0	5,710 10 5	.....	30th Nov. 1901.
	WORKS IN PROGRESS AT THE BEGINNING OF THE YEAR UNDER REPORT AND COMPLETED DURING THAT YEAR.				
	Buildings.				
7	Constructing additional quarters for lascars at Love Grove	7,500 0 0	5,494 5 10	.....	2nd May 1902.
8	Constructing new quarters for an Engineer and 10 lascars at Sankli Tank Fire Brigade Station...	15,987 0 0	13,537 13 11	.....	15th July 1902.

New Works, &c.—*(continued)*.

Consecutive Number.	Description of Work, &c.	Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1903.	Actual or probable dates of completion.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	
	WORKS IN PROGRESS AT THE BEGINNING OF THE YEAR UNDER REPORT AND COMPLETED DURING THAT YEAR—*contd.*				
	Miscellaneous.				
9	Renewing the corrugated iron sheet roofing of the Arthur Crawford Markets (Grant of 1901-02)	5,000 0 0	4,744 12 9	.....	31st May 1902.
10	Paving Cab-stands (Grant of 1901-02)...	5,000 0 0	3,165 1 7	.....	26th April 1902.
	Drainage, Special.				
11	Works for the improvement of the road-side drains in and about Dadar Road.	33,604 0 0	29,836 9 2	.....	31st Dec. 1902.
12	Storm-water drain in Tardeo Road ...	1,77,607 0 0	1,53,012 1 6	.....	Dec. 1902.
	Drainage, Ordinary.				
13	Constructing a storm-water drain with manholes and water gullies in Grant Road and Dhanji Street	12,390 0 0	11,992 0 3	.....	2nd July 1902.
	Water Works.				
14	Construction of quarters for workmen of the Water Branch at Coorla... ...	5,000 0 0	2,997 0 0	.....	6th Aug. 1902.
15	Construction of Inspector's quarters at Coorla	4,000 0 0	3,316 1 6	.....	6th Aug. 1902.
	WORKS COMMENCED AND COMPLETED DURING THE YEAR.				
	Miscellaneous.				
16	Constructing masonry walls around the portion of the Municipal ground at Haines Road and filling in the same with earth	11,167 0 0	3,583 8 3	.....	31st Dec. 1902.
	Drainage, Special.				
17	Works in storm-water drain in Sankli Street	18,430 0 0	.....	.....	15th June 1902.
	Drainage, Ordinary.				
18	Latrines and Urinals at 2nd Pasta Lane, Colaba	5,742 0 0	4,545 0 9	.....	18th Oct. 1902.
	Water Works.				
19	Repairing and strengthening Kasheli embankment, Tansa Duct 9″ Main, at DeLisle Road	35,892 0 0 15,181 0 0	....	26,716 8 5 1,062 1 2	28th Feb. 1903. 31st Mar. 1903.

New Works, &c.—*(continued)*.

Consecutive Number.	Description of Work, &c.	Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1903.	Actual or probable dates of completion.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	
	WORKS COMMENCED BUT NOT COMPLETED OR COMPLETED AND ACCOUNTS NOT CLOSED DURING THE YEAR.				
	Buildings.				
20	Health Department Bullock Stables and Quarters for Sweepers in Ward E, Agripada	1,19,603 0 0	.....	28,513 2 4	9th May 1904.
21	Construction of a monkey house in the Victoria Gardens	8,472 0 0	.....	3,118 7 0	15th Dec. 1902.
22	Extension of Municipal Market at Fergusson (Currey Road)	4,384 0 0	.....	845 14 4	30th April 1903.
	Roads.				
23	Roads and Streets in Agripada and elsewhere—				
24	For roads and streets and frontages ... Rs. 24,50,000				
25	For storm-water drains in Morland, Souter and Club Roads and Gilder Street... „ 1,28,288	25,78,288 0 0	.....	24,20,704 3 7	
26	Construction of Reay Road from Wari Bunder to Gunpowder Road, Mazagon ... ... „ 7,30,000				
27	Victoria Road extension ... ... „ 36,200				
28	Burial-ground for Mahomedans and Beni-Israels ... „ 2,41,952				
	To be paid by the Municipality Rs. 8,51,652				
	To be paid by the Port Trust. Rs. 1,56,500	10,08,152 0 0	.....	6,62,042 0 10	
	Miscellaneous.				
29	Additional Burial-ground at Narielwady.	1,75,000 0 0	.....	1,41,972 10 6	13th Aug. 1903.
30	Railway sidings, platforms, &c., to carry away Town Sweepings to Deonar ...	8,44,000 0 0	.....	7,84,809 6 8	
31	Burning and Burial Ground at Mahim...	30,774 0 0	.....	21,276 9 2	13th July 1903.
32	Burning and Burial Ground at Worli ...	29,373 0 0	.....	17,565 2 0	
33	Erection of a fountain on a portion of the ground reclaimed from the Cowasji Patel Tank	5,000 0 0	.....	1,173 13 7	31st May 1903.
34	Filling in the side drains along Tardeo Road, and providing water tables in their places	5,456 0 0	.....	1,382 3 0	30th April 1903.
35	Paving Cab-stands (Grant of 1902-03).	5,000 0 0	.....	64 8 3	21st May 1903.

New Works, &c.—*(continued)*.

Consecutive Number.	Description of Work, &c.	Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1903.	Actual or probable dates of completion.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	
	WORKS COMMENCED BUT NOT COMPLETED OR COMPLETED AND ACCOUNTS NOT CLOSED DURING THE YEAR—*contd.*				
	Drainage, Special.				
36	Sewerage of Parel District (Sectional) ...	6,29,062 0 0	.....	4,06,109 1 8	31st May 1903.
37	Open Ovoid drain on the east side of DeLisle Road	.....	.....	.....	
38	Sewerage of Fergusson Road and Chinchpokli, Sectional District	3,06,956 0 0	.....	2,24,643 2 3	30th May 1903.
39	Seventeen Catchpits on pipe sewers and seven catchpits on ovoid sewers ...	70,700 0 0	.....	61,959 13 7	31st March 1903.
40	Zinc Vent Shafts on pipe sewers in the Fort Sewerage District	5,000 0 0	.....	167 13 0	
41	Surface drain in Queen's Road between level crossing and Charni Road ...	5,247 0 0	.....	1,243 6 2	24th March 1903.
42	Masonry side drains at Malabar Hill from Gowalia Tank Road to the Government House	12,000 0 0	.....	7,230 11 2	31st March 1903.
43	Machinery for the sewerage of Parel, Mazagon, &c., Sectional Districts (on Shone System)	7,54,849 5 11	.....	7,25,224 1 8	1st May 1901.
44	Sewerage of Mazagon District (Sectional).	3,52,847 10 1	.....	3,52,785 4 2	31st March 1900.
45	Sewerage of Colaba (on Shone System)...	8,64,484 14 4	.....	8,10,736 13 9	1st May 1895.
46	Sewerage of Umarkhadi	3,72,576 8 11	.....	3,56,589 1 10	8th August 1895.
	Drainage, Ordinary.				
47	Construction of permanent manholes over drains	8,000 0 0	.....	.....	February 1904.
48	Completion of House Drainage connection in different parts of the City.	11,95,356 0 0	.....	4,02,218 0 5	28th Feb. 1904.
49	Latrines and Urinals (Grant of 1902) ...	12,000 0 0	.....	211 4 4	23rd June 1903.
50	Walkeshwar Latrines	7,110 0 0	.....	673 6 0	
51	Colaba Latrines	24,598 0 0	.....	15,411 7 3	28th Feb. 1903.
52	Constructing three water closets in the Victoria Gardens	3,030 0 0	.....	2,329 1 10	31st Jan. 1902.
	Water Works.				
53	4″ Main at Khara Talao Road ...	3,950 0 0	.....	.....	31st Dec. 1903.
54	15″ Water Main from 24″ Main in Bhoiwada to Elphinstone Road as far as New Parbhadevi Road and thence a 9″ Main to the Century Mill ...	60,510 0 0	.....	.....	31st Dec. 1903.

New Works, &c.—(*continued*).

Consecutive Number.	Description of Work, &c.	Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1903.	Actual or probable dates of completion.
	WORKS COMMENCED BUT NOT COMPLETED OR COMPLETED AND ACCOUNTS NOT CLOSED DURING THE YEAR.—*contd.*	Rs. a. p.	Rs. a. p.	Rs. a. p.	
	Water Works—contd.				
55	Construction of additional filters with a roof covering at the Malabar Hill Reservoir	2,93,330 0 0	.....	5,369 15 10	20th June 1904.
56	Renewing 3″ Service Mains in B Ward with 4″ pipes	78,407 0 0	.....	1,050 7 6	31st Dec. 1903.
57	Asphalting filter beds Nos. 3, 4 and 6 of the Bhandarwada Reservoir ...	16,648 0 0	.....	7,433 2 5	30th June 1903.
58	Laying 4″ C. I. Main along the existing Wodehouse Bridge Road and the New Road under construction between that road and Colaba Causeway ...	5,240 0 0	.....	2,426 2 11	31st Dec. 1903.
59	Purchasing and fixing new pattern hydrants	75,000 0 0	.....	59,987 15 8	31st May 1904.
60	Substituting an iron pipe for the Masonry Duct near Bhandup ...	12,000 0 0	.....	8,552 6 7	31st May 1903.
	WORKS SANCTIONED BUT NOT PROCEEDED WITH OR POSTPONED FOR WANT OF FUNDS OR OTHER REASONS.				
	Buildings.				
61	New Market at Chowpati	17,000 0 0	.....	63 0 0	
62	Constructing quarters for workmen at Love Grove Air Compressor Station, including purchase of land and an old chawl	23,000 0 0	.....	.....	
63	Construction of a temporary market for the squatters in Kazi Syad Street, west of Masjid Station	3,000 0 0	.....	.....	
	Drainage, Special.				
64	Low level channel from Tardeo Flats to Worli Point	13,49,068 0 0	.....	46,600 4 4	
65	Sewerage of Malabar Hill District (Sectional)	7,71,190 0 0	.....	2,846 1 10	
66	Cutting out rocky barriers in the Channel at Love Grove	16,914 0 0	.....	116 6 0	
	Water Works.				
67	C. I. Main to Sewri Cemetery Road from Gorupdeo Road *via* Jakaria Bunder Road, 12″ for 5,080 feet and 4″ for 1,359 feet	38,981 0 0	.....	.....	
68	Main along Kala Chowki Road from Parel Road to Gorupdeo Road and along Reay Road from Kala Chowki Road to Bhandarwada Reservoir ...	1,38,000 0 0	.....	87 4 0	

New Works, &c.—(*continued*).

Consecutive Number.	Description of Work, &c.	Sanctioned grant.	Expenditure on completion.	Expenditure up to the end of March 1902.	Actual or probable dates of completion.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	
	WORKS SANCTIONED BUT NOT PROCEEDED WITH OR POSTPONED FOR WANT OF FUNDS OR OTHER REASONS—(*contd.*)				
	Water Works—contd.				
69	9″ Service Main connected at one end with the Bhandarwada Reservoir, and the other with the Sewri Road 12″ Main and supplemented midway by a 9″ Service Main down Connaught Road	60,000 0 0	.....	.....	
70	22″ Steel Main from 48″ Tansa Main at Chinchpokli to Forjet Street, and 32″ Main from Forjet Street to Malabar Hill.	2,10,000 0 0	.....	.....	
71	32″ Outlet Mains from Malabar Hill to Chowpati	30,000 0 0	.....	.....	
72	9″ and 10″ pipes from Grant Road to Kamatipura	13,000 0 0	.....	.....	
73	Distribution Mains in Tardeo and Gamdevi Roads	9,870 0 0	.....	.....	
74	Replacing 32″ Vehar pipe for 1½ miles by 48″ Steel Mains	3,25,000 0 0	.....	2,051 6 9	
75	Improvement of the Outlet Towers at Vehar and Tulsi	12,593 0 0	.....	5,083 7 2	
76	Renewals of existing Mains	3,75,000 0 0	.....	26,517 3 9	
77	Laying a 6″ Main from 18″ Main in Esplanade Road connecting with the 16″ Main in Hornby Road	10,130 0 0	.....	.....	

NEW WORKS.

GENERAL BRANCH.

Construction of Quarters for Engineers and Lascars of the Fire Brigade at Sankli Tank.

16. This work which is shown in the last year's Administration Report was completed during the year under review at a total cost of Rs. 13,537-13-11.

Construction of an upper Storey over the existing Workmen's Quarters at Love Grove.

17. This work which is also shown in the last year's Administration Report was completed during the year under review at a total cost of Rs. 5,494-5-10.

Renewing the Corrugated iron sheets over the roof of Fruit and Vegetable Markets in the Arthur Crawford Markets.

18. This work which was sanctioned in the Budget of the year 1901-02, and which is referred to in the last year's Administration Report, was completed during the year under review at a cost of Rs. 4,744-12-9.

Paving Cabstands.

(*a*) The work of paving cabstands, sanctioned in the Budget of the year, 1901-02, and referred to in the last year's Administration Report was completed at a total cost of Rs. 3,165-1-7.

(*b*) Tenders were invited for similar works sanctioned in the Budget of the year 1902-03, and that of Messrs. Mahomedkhan Rasulkhan & Co. being the lower of the two tenders received, was accepted by the Municipal Commissioner under his memorandum No. 27023 of 3rd January 1903.

19. Order to commence the work was given to the Contractors on 22nd January 1903, and the work was in progress at the end of the year under report.

20. The total expenditure passed up to 31st March 1903 has been Rs. 64-8-3.

Construction of a Fountain on the reclaimed portion of the Cawasji Patel Tank.

21. This work referred to in the last year's Administration Report should have been completed on 11th May 1902 according to the conditions of the contract, but as the Contractors were obliged to wait for the marble which was got out from Europe, and the work being of an artistic nature it could not be completed within the contract period the time was extended by the Commissioner up to the end of February 1903. The Contractors, however, still failed to complete the work and it was in progress at the end of the year under report.

22. The total expenditure passed up to 31st March 1903 has been Rs. 1,173-13-7.

Extension of the existing Market at Fergusson Road.

23. This work having been sanctioned to be executed from the grant of Rs. 4,385 provided in the Budget for 1902-03 for a market at Curry Road under Corporation Resolution No. 1275 of 15th May 1902, tenders were invited, and the one of Messrs. Chaturbhoj Shankerbhoy being the lowest of three tenders received, was accepted by the Commissioner under his memorandum No. 11900 of 23rd July 1902.

24. Order to commence the work was given to the Contractors on the 13th October 1902. According to the conditions of the contract the work should have been completed on the 12th January 1903, but as the Contractors failed to complete it within that period it was in progress at the end of the year under report.

25. The total expenditure passed up to 31st March 1903 has been Rs. 845-14-4.

Constructing a Wall on the east side of the Mahim Burning and Burial Ground.

26. This work having been sanctioned in Corporation Resolution No. 7090 of 9th October 1902, tenders were invited, and the one of Messrs. Esoofally Abdoolally & Co. being the lowest of three tenders received, was accepted by the Standing Committee in their Resolution No. 12393 of 11th February 1903.

27. Order to commence the work was given to the Contractors on the 14th March 1903, and it was in progress at the end of the year under report.

28. The total expenditure passed up to 31st March 1903 has been Rs. 51-6-8.

Constructing a Monkey House in the Victoria Gardens.

29. This work was sanctioned by the Commissioner in his memorandum No. 25617 of 23rd December 1901, the cost to be met partly from the unappropriated balance of Rs. 3,847-12-0 out of the grant of Rs. 5,000 provided in the year 1900-01 for improvements in the Zoological portion of the Victoria Garden, and partly from the grant of Rs. 5,000 provided in the Budget for 1902-03.

30. Tenders were invited, and the one of Messrs. Mahamedally Abdoolally & Co. being the lower of two tenders received, was accepted by the Standing Committee under their Resolution No. 176 of 9th April 1902.

31. Order to commence the work was given to the Contractors on the 17th April 1902.

32. According to the condition of the contract the work should have been completed on the 16th August 1902, but the Contractors were unable to do so as the order to commence the work was given during the monsoon, and they could not push on with the work during the rains. The Commissioner, therefore, in his memorandum No. 24488 of 2nd December 1902, gave his sanction to the contract period being extended up to the 15th December 1902, and the work was completed within that period at a total cost of Rs. 3,118-7-0.

Constructing Quarters for Sweepers and Stables for Bullocks of the Health Department at Agripada.

33. This work having been sanctioned in Corporation Resolution No. 2010 of 30th June 1902, tenders were invited, and the one of Messrs. Esoofally Abdoolally & Co. being the lowest of the eight tenders received, was accepted by the Standing Committee in their Resolution No. 4965 of 29th August 1902.

34. Order to commence the work was given to the Contractors on the 10th November 1902, and the work was in progress at the end of the year under report.

35. The total expenditure passed up to 31st March 1903 has been Rs. 890-14-3.

Disposal of Town Sweepings in the City.

Protecting the outer slope of the Bund around the Marsh or Khajan of Deonar.

36. The additional work of protecting the outer slope of the bund with rubble against the action of the tides mentioned in the last Administration Report was completed during the year under review at a total cost of Rs. 4,091-1-1.

Construction of 6 Iron Tank Waggons.

37. The Standing Committee in their Resolution No. 1322 of 2nd May 1900 sanctioned an expenditure of Rs. 10,325 from the grant of Rs. 41,300 (for constructing 20 additional waggons for the removal of refuse to Deonar) for the construction of 5 waggons.

38. This sanction was subsequently amended under Corporation Resolution No. 5927 of 12th August 1901 allowing of an additional expenditure of Rs. 8,125 from the same grant to cover the extra cost of constructing 6 iron tank waggons in lieu of the 5 wooden waggons originally contemplated.

39. The total amount, Rs. 18,450, was made up as follows :—

	Rs.	a.	p.
Approximate estimated cost of constructing 6 tank waggons from plates, angles, &c., to be supplied by the Municipality.	14,100	0	0
Plates, angles, &c., to be supplied by the Municipality ...	3,469	2	0
	17,569	2	0
Add—5 per cent. contingencies ...	878	7	4
Total Rs. ...	18,447	9	4
or say ,, ...	18,450	0	0

40. The figures given by the Railway Company in the first instance was an approximate one, and the actual cost incurred by the Company in constructing the waggons amounted to Rs. 16,830-12-0. The total cost of constructing the waggons amounted therefore to Rs. 19,644-8-0.

Burial Grounds at Narielwady.

41. The work of preparing burial grounds for different sects of the Mahomedan Shia community at Narielwady mentioned in the last Administration Report was completed during the year under review at a total cost of Rs. 34,027-10-7.

42. The Corporation sanctioned in their Resolution No. 11225 of 15th January 1903 the work of preparing for burial purposes the plot of land at Narielwady allotted to the Shia Ashna Ashari sect, and for building walls on the south and east sides thereof.

43. When the year under review was drawing to an end tenders for the work were invited, and that of Messrs. Teju Kaya & Co., amounting to Rs. 14,890-13-11, was accepted by the Standing Committee.

44. The total expenditure passed up to 31st March 1903 has been Rs. 57-8-0.

Filling in the side drains along Tardeo Road and providing Water tables in their places.

45. The above work was sanctioned by the Corporation in their Resolution No. 8224 of 3rd October 1901 at a cost of Rs. 5,456.

46. Messrs. Hakimji Lookmanji & Co.'s tender of Rs. 3,440 was accepted by the Commissioner on 14th March 1902.

47. The Contractors have been very dilatory in carrying out the work. Their contract period expired on the 5th September 1902 which was subsequently extended by the Municipal Commissioner to 30th April 1903, and the work was in progress at the close of the year.

48. The total expenditure passed up to 31st March 1903 has been Rs. 1,382-3-0.

C

DRAINAGE WORKS, SPECIAL BRANCH.

Works completed during the previous years, but the accounts of which were not closed up to the end of the year under report.

Colaba and Umarkhadi Sewerage Works.

CONTRACTORS :—MESSRS. BULKLEY & Co.

49. No further communication was received during the year under report from Messrs. Craigie, Lynch and Owen, the Contractors' Solicitors.

50 The securities lodged by the Contractors and other monies belonging to them, amounting to Rs. 14,200-0-0 in Government paper, were sold by the Chief Accountant on 16th May 1902, and they realized Rs. 17,790-12-10. This amount has been credited against the extra expenses incurred by the Municipality in connection with the Colaba and Umarkhadi Sewerage Works.

Works completed during the previous years but the accounts of which were closed at the end of the year.

WORKS IN THE CONSTRUCTION OF A STORMWATER DRAIN IN TARDEO ROAD.

CONTRACTORS :—MESSRS. ESOOFALLI ABDOOLALLI & Co.

51. In the last annual report it was stated that several extra works had to be executed on account of alterations in the original scheme.

52. The Contractors put forward several claims amounting to about Rs. 25,000-0-0 for extra works and for losses sustained by them owing to the bursting of the Tulsi Main, etc.

53. After carefully considering these claims, the Commissioner decided to offer them Rs. 3,400-0-0 in full satisfaction of all their claims. The Contractors having accepted the offer, the Standing Committee, on recommendation of the Commissioner, accorded their sanction to the payment of this amount under their Resolutions No. 12259, dated 4th February 1903, and No. 14229, dated 18th March 1903.

54. The total expenditure incurred on the work has amounted to Rs. 1,53,012-1-6.

Works commenced and completed and the accounts closed during the year.

WORKS IN A STORMWATER DRAIN IN SANKLI STREET.

55. Tenders were invited on 15th April 1902. In response to this invitation five tenders were received, and the lowest tender, that of Messrs. Athavale, Vaidya and Co., amounting to Rs. 9,858-0-0, was accepted by the Standing Committee under their Resolution No. 1206, dated 14th May 1902. The office estimate was Rs. 15,664-0-0 *plus* Rs. 1,172-0-0 for road repair and Rs. 1,683-0-0 for contingencies and supervision.

56. The contract was executed on the 22nd May 1902, and the work commenced on the 23rd idem. The contract period for the completion of the work was 15th June 1902 and the work was finished within that period.

57. The total expenditure on the works has amounted to Rs. 11,529-14-10.

WORKS IN SIDE DRAINS AND WATER COURSE IN AND ABOUT DADAR ROAD.

58. Tenders were invited on 25th March 1902. In response to this invitation three tenders were received, and the lowest one, *viz.*, that of Messrs. Kuverji Vijpal and Co., amounting to Rs. 7,245-0-0 against the office estimate of Rs. 10,096-0-0 *plus* Rs. 1,032·841 for contingencies and supervision and Rs. 232·5 for road repair, was accepted by the Standing Committee under their Resolution No. 857, of 30th April 1902. The contract was executed on 16th May 1902. The date of the completion of the works was 15th June 1902, but the Contractors did not finish them until the end of December last, and consequently the cost of the Municipal establishment for the extra period was recovered from them.

59. The total expenditure incurred on the works has amounted to Rs. 7,960-12-11.

OVOIDING SIDE DRAINS ON MALABAR HILL FROM GOWALIA TANK ROAD TO GOVERNMENT HOUSE.

60. Tenders were invited on 7th October 1902. In response to this invitation tenders were received from three firms. The tender of one of them could not be considered as against 29 items on one of the pages of the schedule only 26 rates were given, and some of them were written in such a manner that it was difficult to say to what particular items they related.

61. Of the remaining two tenders that of Messrs. Athavale, Vaidya and Co. was the lower and it was accepted by the Standing Committee under their Resolution No. 9093, dated 19th November 1902. The amount of the tender was Rs. 7,649·768 against the office estimate of Rs. 10,326·540 *plus* Rs. 582 for road repair and Rs. 1,091 for contingencies and supervision. The contract was executed on 1st December 1902 and the work commenced on the same date. The date of the completion of the works was 31st March 1903, and the work was completed within contract time.

62. The total expenditure incurred on the work has amounted to Rs. 7,306-4-9.

STORMWATER DRAINS IN QUEEN'S ROAD AND DE LISLE ROAD.

63. Tenders were invited on 8th October 1902. In response to this invitation four tenders were received and the lowest one, *viz.*, that of Messrs. Rasulkhan Mahomedkhan and Co., amounting to Rs. 3,742·863, was accepted by the Commissioner. The office estimate for the works was Rs. 6,775·228 *plus* Rs. 384·750 for road repairs and Rs. 715·998 for contingencies and supervision. The contract was signed on 24th November 1902 and the work commenced on the same day. The date of the completion of the works was 24th March 1903. The work was completed within contract time.

64. The total expenditure incurred on the works has amounted to Rs. 2,830-8-7.

MASONRY STORMWATER DRAIN 18″ × 18″ IN APOLLO STREET.

65. The work was entrusted to the Annual Repairs and Petty Works Contractors, Messrs. Teju Kaya and Co. The estimated cost of the work was Rs. 2,038-4-9, and the actual cost has amounted to Rs. 1,570-13-7, shewing a saving of Rs. 467-7-2.

Works in progress at the beginning of the year under report and completed and the accounts closed during that year.

WORKS IN SIDE DRAINS IN NAIGAUM CROSS ROAD AND IN GHORUPDEO ROAD.

CONTRACTORS :—MESSRS. KUVERJI VIJPAL AND RAMCHANDRA DADAJI.

66. The contract period expired on 19th February 1902, and although the works were practically completed within that time, the construction of a small portion of the side drains in Ghorupdeo Road had to be deferred until the work of laying pipe sewers then in hand in that road had been completed by the Parel Sectional Sewerage Contractors. The whole of the works were completed on 31st March 1902.

67. The total expenditure incurred on the works has amounted to Rs. 5,284-5-6.

Works in progress at the beginning of the year under report but not completed during that year.

CONSTRUCTION OF CATCH-PITS ON THE PIPE SEWERS AND OVOID SEWERS.

68. The contract period expired on 31st May 1902, but the works could not be finished within that period as during their progress it was found that the sewers in several parts of the City were surcharged, and this consequently delayed the Contractors' work, and eventually and because of this and other difficulties, the construction of the catch-pit in Ardeshir Dady Street was abandoned. The works were completed on 31st March 1903, and the settlement of the Contractors' bills is now under consideration.

69. The expenditure incurred to the end of the year has amounted to Rs. 61,943-11-5.

FERGUSSON ROAD AND CHINCHPOKLI SECTIONAL SEWERAGE WORKS.

70. This work comprises—

(*a*) Laying pipe sewers with manholes and flush tanks.

(*b*) Ejectors, cast-iron tubbing and brick chambers.

(*c*) Air mains and sealed sewage mains.

(*d*) Vent shafts on the Shone System.

(*a*) The Contractors, Messrs. Deoram Keshaoji & Co., did not finish their work within their contract time which expired on the 31st October last. They offered to finish it before the end of April preceding in the event of a bonus being given to them. The Commissioner decided that if they finish the whole of their work by that date, he would be prepared to represent their claim for a bonus to the favourable consideration of the Corporation. The works have now been practically completed, but the Contractors have yet to make good certain defects, and the work of taking final measurements is in hand.

As the Contractors failed to complete the works within the contract period, the cost of the supervising establishment employed on these works since the date of expiration of contract time has been proportionately debited to their account.

(*b*) Messrs. Richardson & Cruddas, the Agents of Messrs. Hughes & Lancaster, are the Contractors for this work. The contract period expired on 30th June 1902, and the works were practically completed within that period.

Ejector Station No. 1 was completed in June and was taken over from the Contractors on 25th October 1902.

Ejector Station No. 2 was completed and taken over from the Contractors on 15th January 1903.

(*c*) The Contractors are Messrs. Marsland, Price & Co. The works were not all finished within the contract period which expired on the 1st June 1902. They are now nearly complete. As the Contractors did not finish the work within the contract time, the cost of the supervising establishment has been proportionately debited to their account.

(*d*) The work mentioned in this item is still under consideration, but, as stated in the last annual report, arrangements have been made for providing a vent shaft at each of the ejector stations in this as well as in the Parel District. Messrs. Alcock, Ashdown & Co. are the Contractors for this work. The contract period expired on the 10th June 1902, but the work had to be deferred owing to the delay in the execution of the sewerage works in this district. The two vent shafts provided for in this district have been completed.

71. The total expenditure incurred on all these works to the end of the year has amounted to Rs. 2,24,518-9-1.

PAREL SECTIONAL SEWERAGE WORKS.

72. This work comprises—

(*a*) Pipe sewers with manholes and flush tanks.

(*b*) Ejectors, brick chambers, &c.

(*c*) Air mains and sealed sewage mains.

(*d*) Vent shafts on the Shone System.

(*a*) The Contractors for these works are Messrs. Allimohmed Kasam & Co. As stated in the previous year's report the Corporation accepted their proposal to grant them a bonus of Rs. 7,000 should the whole of the works be finished before 31st May 1902, but the Contractors were unable to completely finish by that date, and they still have some small works to complete. The contract period expires on 25th July 1903.

(*b*) The works under this head are included in the contract of Messrs. Richardson & Cruddas as Agents of Messrs. Hughes & Lancaster for similar works in the Fergusson Road and Chinchpokli Sewerage District. The contract period expired on 31st December 1902, but on that date there was a still small amount of work to be completed.

(*c*) The works under this head are included in the contract of Messrs. Marsland, Price and Co. for similar works in the Fergusson Road and Chinchpokli Sewerage District. The works could not be finished within the contract period, *viz.*, 1st June 1902, but they are now nearly completed.

(*d*) The work under this head is still under consideration, but as stated above arrangements have been made to provide a vent shaft at each of the ejector stations in this district. This work is included in the contract of Messrs. Alcock, Ashdown and Co. for similar work in the Fergusson Road and Chinchpokli District. The work had to be deferred owing to the delay in the execution of the sewerage works in this district. It has now been started and will be finished in a short time.

73. The expenditure incurred up to the end of the year on all these works has amounted to Rs. 4,05,955-14-11.

Works sanctioned but not proceeded with or postponed.

SCHEME FOR SUB-SOIL AND SURFACE DRAINAGE.

74. The work comprises—

1. Channel No. 1 with Seaward Channel and new sluices.
2. Channel No. 2 to De Lisle Road.
3. Purchase of land alongside Channel Nos. 1 and 2.
4. Bund alongside open Main drain.
5. Drain in Arthur Road and Gilder Street.

75. In the last annual report it was stated that, as the proposed route of Channel No. 1 would cut off all tidal communication from Mahim Bay at a point north of Cleveland Bunder, Government were requested to pass an Act extinguishing all tidal rights and rights of navigation at that point, and that in compliance with this request Government had introduced a Bill in the Legislative Council. As, however, the Port Trustees raised a strong objection against the existing Bunder being interfered with on the ground that they would thereby lose their income from the same and asked that they should be compensated for the alleged loss of income in case of the Government deciding to pass the Bill, it was thought fit to so alter the original alignment of the Channel as to leave intact the Worli Creek north of the existing sluices, and the Corporation approved of this modification in their Resolution No. 7980, dated 23rd October 1902. This modification has thus rendered the passing of the special legislation unnecessary. The altered alignment involved an additional expenditure of Rs. 23,052 which the Corporation have sanctioned to be met from the savings in the grant for Fergusson Road and Chinchpokli Sectional Sewerage Works under their Resolution No. 10260, dated 18th December 1902. The total estimated cost of the works will, therefore, amount to Rs. 13,72,120.

76. The Government were then informed of the altered alignment, and were asked to accord their sanction to the new outfall on the Worli foreshore. The Port Trustees then objected to even the altered alignment on the ground that the diversion of the waters flowing through the upper part of the Channel from the Worli Creek would tend to the silting up of the latter. The Government having forwarded the objection to the Municipal Commissioner, the opinion of Mr. Inverarity was taken on the point, who advised that the Port Trustees had not acquired any right of easement in the matter and were not entitled to any relief. The Government thereupon sanctioned the new outfall at Worli, and the acquisition of properties is now proceeding and the works will be commenced immediately after the rains.

CUTTING OUT ROCKY BARRIERS IN THE CHANNEL AT LOVE GROVE.

77. Tenders for this work were invited on 13th November 1902, but in response to this invitation no tender was received. Under the circumstances it has been decided to leave the matter in abeyance until foreshore work at Worli in connection with the Low-Level Channel is taken in hand.

The Colaba and Love Grove Air Compressor Stations.

THE COLABA AIR COMPRESSOR STATION.

78. The machinery at the Compressor Station and the several Ejector Stations worked satisfactorily during the year.

79. The total quantity of sewage lifted during the year amounted to approximately 280 million gallons against 285 millions in 1901-02 and 294 millions in 1900-01. The total number of revolutions run by the Compressor engines was 29,417,709 against 36,039,714 in 1901-02.

80. There was a considerable increase in the quantity of sewage lifted by the Ejectors in No. 1 Station draining the northern part of the district, owing to the continued progress of building operations on the Apollo Reclamation, but it is satisfactory to note that the re-laying

of a portion of the 12" pipe sewer in Colaba Road in connection with No. 3 Station, which was noted in the last year's report, has effected a great reduction in sub-soil leakage and in the quantity of sullage to be lifted by this latter station.

81. 750 tons of Heilger's Anthracite Coal at an average rate of Rs. 14-5-8 per ton and 100 tons of Desharghur Bengal Coal at a rate of Rs. 15 per ton were consumed during the year.

82. In addition to the above quantity of coal 61 tons 17 cwts. 1 qr. and 4 lbs. of liquid fuel at a rate of Rs. 30-10-0 per ton was consumed between the months of October 1902 and February 1903.

83. Messrs. W. and A. Graham & Co., Agents for the Shell Trading Co., who are dealers in this fuel, made an offer to lend the necessary burners for 12 months and to fit them to one of the boilers at the station free of charge, and this offer was accepted by the Standing Committee under their Resolution No. 3754 of 30th July 1902 and the burners were duly fitted in September.

84. The first trials conducted during October and November did not give favourable results, for though there was no difficulty in keeping steam with this fuel, and it was quite smokeless, the daily consumption was only 15 to 20 per cent. less by weight than the previous coal consumption, and the extra cost was therefore considerable.

85. New burners of a different type and a heated air supply were then fitted, and the trials were resumed in January 1903 and were not concluded before the close of the year under report. These further trials indicated that an improvement in efficiency had been made, but that the cost of burning liquid fuel at the rate charged was still greatly in excess of coal, and it was evident that it would be financially impracticable to continue the use of liquid fuel unless further improvements could be effected in the burners or a reduction made in the rate.

86. New pistons fitted with Buckley's piston rings which were purchased in the previous year were made for A engine, and this engine was ready to resume work at the close of the year.

87. Under the Budget grant for Repairs to Machinery an extra provision of Rs. 1,000 was made for renewing two sets of valve boxes for the Ejectors in No. 3 Station. New valve boxes of an improved pattern, in which all the wearing surfaces can be readily renewed at a small cost, were made in the Municipal Workshops during the year and one discharge box was put in place.

88. An extra provision of Rs. 350 was also made under the contingencies and stores grant for the purchase of a spare armature for the electric dynamo. The supply was entrusted to Messrs. Richardson & Cruddas at a cost of Rs. 242, but it was not completed before the close of the year owing to the Makers in England having made a mistake in the size, which necessitated the armature being returned to them.

THE LOVE GROVE COMPRESSOR STATION.

89. The Compressor engines at this station commenced regular night and day work from June 17th, 1902. Up to this time owing to the small quantity of sewage to be lifted in the Mazagon Districts, it had only been necessary to work them during the day time.

90. "No. 1 Ejector Station, Fergusson Road," which is situated close to the DeLisle Road crossing of the B. B. & C. I. Railway on DeLisle Road and contains two ejectors each with a capacity of 1,000 gallons, was completed early in June, and, pending the connection of houses to the new sewers, it was connected to the old DeLisle Road sewer, and throughout the monsoon it effectually prevented the annually recurring nuisance of overflows from the sewer.

91. "No. 2 Ejector Station, Fergusson Road," containing two ejectors of 1,200 gallons capacity each, and situated at the junction of DeLisle and Arthur Roads, was completed and taken over from January 15, 1903, and was put into regular use shortly afterwards.

92. An arrangement regarding the cracked C. I. tubbing of No. 1 Ejector Station, Mazagon, was arrived at during the year. As mentioned in the previous year's Administration Report this tubbing developed several cracks in the upper ring of plates and roof plates, due to an insufficiently strong roof, and orders were given to the Contractors to renew these defective plates.

93. While freely recognising their responsibility in the matter they objected to make the renewals on the grounds that first they had plated the cracks in an efficient manner and had taken the strain off the roof by placing two cast-iron columns inside the chamber, and

that consequently no further damage was likely to take place ; and second that in regard to the stipulation of the Municipal Engineers that the work must be carried out without interfering with the working of the ejectors, except for short periods, it would be impossible to replace the plates without a total stoppage of the ejectors for some days and possibly weeks.

94. After some further correspondence a compromise was accepted by the Standing Committee under their Resolution No. 10525 of 29th December 1902, and a formal agreement, dated March 18th, 1903, was signed by the Contractors embodying the following terms :—

1*st*—That in the event of any further cracks taking place within a period of 5 years from the date of the agreement the Contractors should renew the whole of the defective plates at their own expense.

2*nd*—That they should deposit, with the Municipality, a sum of Rs. 2,000 as security for the work.

3*rd*—That if at the end of the above term of 5 years no further damage had occurred, a sum of Rs. 1,000 out of their deposit of Rs. 2,000 should be returned to them, and the remaining Rs. 1,000 be permanently retained by the Municipality as compensation for the defective plates.

95. Two fractures of the $2\frac{1}{2}$" air main to No. 2 Ejector Station, Mazagon, due to settlement of the ground occurred during the year. The first was found just outside the Ejector Station and the second was on the Victoria Road opposite the Narelwadi burial ground.

96. A recorder for recording the pressure of compressed air maintained in the air-main at the Compressor Station was purchased from Messrs. Sorabji Shapurji & Co. in August at a cost of Rs. 380.

97. 850 tons of Heilger's Anthracite Coal, at an average rate of Rs. 14-12-0·5 per ton, and 125 tons of Wilson's South Yorkshire Coal, at a rate of Rs. 15-4-0 per ton, were purchased for this station during the year.

98. The grant of Rs. 1,500 for stores and contingencies being found insufficient, it was supplemented by a transfer of Rs. 1,500 from the grant for coals. This transfer was sanctioned under Corporation Resolution No. 6567 of 16th October 1902.

D.

DRAINAGE WORKS, ORDINARY BRANCH.

LOVE GROVE PUMPING STATION.

99. During the first half of the year the engines and pumps worked satisfactorily, but in the month of October it was found that the efficiency of the pumps had fallen considerably and that they were not capable of keeping the sewage in the main sewer down to the usual level.

100. At the time of the South-West monsoon there is always a drop in the efficiency, due to the fact that at this period of the year the pumps have all to work almost continuously night and day, thus allowing but little time for the changing and repair of the valves and valve frames, but in the present instance the Engineer at the Station had not made the most of his opportunities and had allowed the valves to get into an unusually worn state.

101. These worn valves were quickly renewed, which at once enabled the pumps to cope with the flow of sewage, and the defective frames were replaced at the first opportunity ; and the efficiency which was measured daily during November and once a week throughout the remainder of the year, rose as follows :—

Average for November 1902	... ...	68 per cent.
„ „ December 1902	... ...	66 „
„ „ January 1903 ...	... ...	84 „
„ „ February 1903 ...	... ...	89 „

102. On the morning of January 8th there occurred an unprecedented rush of silt from the main sewer into the pump wells which entirely stopped the working of Nos. 1 and 2 engines, but did not fortunately reach No. 3 engine, which was the only other engine at that time available for work.

103. Diver Haji Hassam, who has so frequently done such good work for the Municipality, was soon on the spot and aided by another diver kindly lent for two days by the Engineer of the Port Trust, they got the well of No. 1 Engine clear of silt by the morning of the 10th and the engine was re-started at 4-25 a.m. No. 2 engine was cleared and re-started on the following day at 7-25 p.m.

104. As the silt continued to be washed down with the sewage, it was necessary to retain the services of the diver for some days for the alternate clearing of the wells, and Haji Hassam worked for 8 days in January during which period he removed 737 buckets full of silt. He was paid at a rate of Rs. 37-8-0 per diem.

105. This mishap which would have had even more serious consequences had it caused the stoppage of all of the pumps, has shown the imperative necessity of providing catchpits at the station for the removal of silt before reaching the pumps, and a report on the subject, since forwarded to the Corporation, was under preparation at the close of the year.

106. The combined total number of revolutions of all the engines during the year was 29,514,469 against 23,464,251 in the preceding year. A portion of this increase should be set down to the inefficiency of the pumps previously mentioned, but the greater part of it is due to the rapid increase in the sewered area and to the great progress which has been made in the house connections to the sewers during the year.

107. The following table shows the total quantity of coal of different descriptions consumed during the year with their average rate per ton :—

Description of coal.	Tons.	Average rate.
		Rs. a. p.
Heilger's Anthracite	3,755¼	14 12 8
Powell Duffryn Cardiff	500	19 8 0
Desharghur Bengal	300	15 6 0
Wilson's South Yorkshire	175	15 4 0
Shaw Wallace Navigation	100	13 4 0

108. The average rate per ton for all of these descriptions of coal was Rs. 15-4-10 and the average daily consumption was 13 tons 4 cwts. 2 qrs. and 19 lbs. against 12 tons 12 cwts. and 6 lbs. in the previous year.

109. The work of reboring the steam cylinders of No. 3 engine and the fitting of new pistons and piston rings which was taken in hand in the previous year was completed during the year under report and the engine is now found to work very satisfactorily.

110. Under their Resolution No. 7565, dated the 16th October 1902, the Corporation sanctioned a transfer of Rs. 1,500 from the coal grant of the Love Grove Compressor Station to the grant for repairs to machinery to allow of a commencement being made with similar repairs and renewals to a second engine. The supply of six sets of Buckley's patent piston rings was entrusted to Messrs. John Fleming & Co. at a cost of Rs. 815, and the work of making new pistons was put in hand by the Municipal Workshops and good progress was made with them before the close of the year.

111. 1,000 lbs. of Dermatine valve faces at Rs. 3-5-0 per lb. were purchased during the year from Messrs. John Fleming & Co. at a total cost of Rs. 3,312-8-0.

112. Messrs. Turner Hoare & Co., having forwarded six sample valve faces of a material termed "Turnorine," these faces were tried in the pumps and were found to last much longer than Dermatine and being also cheaper, an order was given to the above firm at the close of the year for 1,000 lbs. of Turnorine faces for use during the year 1903-1904 at a rate of Rs. 3 per lb.

113. In consequence of the large increase in the engine revolutions which involved an extra expenditure in oil and packing, the grant for stores and contingencies had to be supplemented by a transfer of Rs. 1,100 from the coal grant of the Love Grove Compressor Station.

114. This transfer was sanctioned under the Corporation's Resolution No. 13059, dated the 23rd February 1903.

HOUSE DRAINAGE CONNECTIONS.

115. The street portions of House drainage connections were carried out departmentally under the supervision of the Chief Inspector of Drains, as follows :—

Name of District.	No. of connections.	Amount.
		Rs. a. p.
General	91	7,090 2 0
Mandvi	38	1,460 7 1
Kamballa Hill	18	1,553 10 11
Market	2	35 8 1
Mazagon	116	12,666 12 5
Fort	82	2,632 11 6
Colaba	11	512 2 2
Umarkhadi	43	1,628 7 9
Parel	11	466 0 1
Mugbhat	7	238 9 3
Dhobitalao	39	879 10 1
Bhuleshwar	1	4 9 3
Khetwadi	71	21 13 10
Total	530	29,190 8 5

116. Providing seven square manholes on the main sewer between Shaik Memon Street and Kavasji Patel Tank.

117. As stated in the last Administration Report this work was completed by the Chief Inspector of Drains towards the close of the year 1901-1902.

118. The total cost of the work amounted to Rs. 1,573-7-2.

MANHOLES AND INSPECTION CHAMBERS OVER STORM-WATER DRAINS.

119. A grant of Rs. 8,000 was provided for the work in the Budget for 1902-1903.

120. The construction of 175 manholes and 18 inspection chambers as detailed below was taken in hand departmentally as per Municipal Commissioner's No. 29339, dated the 21st January 1903:—

Manholes—

67 on the storm-water drain in Nagdevi Street from Carnac Road to Musjid Bander.
88 on the storm-water drains in Kamathipura Bazar Road down to Bapty Road.
2 on the storm-water drain at Mount Road and its junction with Love Lane.
2 on the storm-water drain in Mount Road opposite the Aga Khan's tomb.
5 on the storm-water drain across Matharpakhadi Road.
11 on the storm-water drain across Haines Road.

175

Inspection Chambers—

3 on the storm-water drain at Bhoiwada near the Police Station.
4 over the storm-water drain in Arthur Road near the Maruti Temple.
8 on the storm-water drain in Suparibag Road.
3 over the storm-water drain at Sewri Road and Sewri Koliwada Junction.

18

121. The work was in progress at the close of the year, and the certified expenditure thereon amounted at that time to Rs. 168-4-11.

TIDAL FLAPS ON THE OVOID SEWERS.

122. As stated in the last Administration Report the construction of tidal flaps in Carnac Road and Clerk Road was completed in June 1901, and the construction of tidal flaps at Ripon Road and Mount Road was completed in February 1902.

123. The cost of these works amounted to Rs. 11,040-9-5.

124. A further grant of Rs. 3,000 was sanctioned in the Budget for 1901-1902 for the construction of a tidal flap or flushing door for an ovoid sewer.

125. Out of this grant the construction of a tidal flap on the ovoid sewer in Kharsetji Suklaji Street at its junction with Bapty Road was taken in hand departmentally at an estimated cost of Rs. 2,690 in accordance with the Municipal Commissioner's No. 3982, dated the 12th May 1902.

126. Under the Corporation's Resolution No. 9986, dated the 11th December 1902, a grant of Rs. 254 was sanctioned from the savings of the said grant of Rs. 3,000 for providing lifting gears to the flaps attached to the double-barrel sewer in the Mint compound.

127. The construction of the tidal flap was nearly completed towards the close of the year.

128. The certified expenditure for work amounted to Rs. 1,530-12-3.

129. The lifting gear was ordered on the 19th February 1902 from Messrs. Sorabji Shapurji & Co., the Casting Contractors for the year, and the same was being manufactured by them towards the close of the year.

Removing and Reconstructing a part of the Storm-water Drain in Dhanji Street and constructing a Drain in Grant Road for carrying the Storm-water from Dhanji Street.

130. As stated in the last Administration Report a contract for the work was let to Messrs. Rasulkhan Mahomedkhan & Co., and the work was in progress at the close of the last year.

131. In accordance with the Standing Committee's Resolution No. 939, dated the 7th May 1902, the Contractors were entrusted with the further work of remodelling the whole length of the storm-water drain. The estimated cost of this extra work calculated at the Contractors' rates, amounted to Rs. 4,252, and was to be met from savings in the grant of Rs. 12,390 provided for the original work.

132. The Contractors were allowed an extension of a month and a half to enable them to carry out the extra work.

133. The whole of the work was completed by the Contractors on the 2nd July 1902.

134. The total cost of the work, including the charges on account of establishment, &c., amounted to Rs. 11,992-0-3.

Diverting a portion of Drain in Mangalwadi Lane.

135. A grant of Rs. 1,450 was provided for the work in the Budget for 1902-1903.

136. The work was taken in hand departmentally under the supervision of the Chief Inspector of Drains in accordance with the Municipal Commissioner's No. 32885, dated the 15th March 1902, and completed at a total cost of Rs. 1,125-8-7.

Cleaning the Open Main Drain.

137. A sum of Rs. 1,500 was provided for the work in the Budget for 1902-1903.

138. Mr. Dagru Rama's tender, being the lowest of four tenders received, was accepted as per the Standing Committee's Resolution No. 1203, dated the 14th May 1902.

139. The work was carried out by the Contractor within the stipulated time of one month.

140. The total cost of the work amounted to Rs. 1,055-3-2.

Drainage of the Health Department Stables at Makund Guzar Street, Ward C.

141. A grant of Rs. 2,165 was provided for the drainage of the stables in the Budget for 1902-1903 as follows:—

	Rs.	a.	p.
For paving a portion of the stables and making an open channel and connecting the same with the sewer	1,656	0	0
For connecting with the sewer a washing place, urinal and closets at the stables	509	0	0
Total Rs....	2,165	0	0

142. The execution of the work was taken in hand departmentally in accordance with the Municipal Commissioner's No. 32936, dated the 17th March 1902, and completed at a total cost of Rs. 2,034-14-7.

PUBLIC LATRINES AND URINALS.

Colaba Latrines.

143. The sites for the remaining two sets of latrines at Colaba having been acquired at Bohra Street and 5th Koli Lane, tenders, returnable on the 24th April 1902, were invited for the construction of latrines thereon.

144. Messrs. Mahomedali Abdulali & Co.'s tender, being the lower of the two tenders received for the work, was accepted under the Standing Committee's Resolution No. 942, dated the 7th May 1902.

145. Orders were given to the Contractors to proceed with the work on the 6th June 1902.

146. The Contractors were bound under the terms of their contract to complete the same within four months from that date.

147. Mr. Nanji Morarji, the owner of premises No. 31-33, Bohra Street, Colaba, having filed a suit in the High Court to restrain the Municipality from erecting the latrines in that street, the construction of the latrines in that locality was stopped in the beginning of August 1902.

148. On the 9th January 1903, the Hon'ble Mr. Justice Russell dismissed the suit with costs without prejudice to the plaintiff's right to bring a fresh action thereafter if after the latrines had been erected they proved to be a nuisance to the plaintiff.

149. Orders were thereupon given to the Contractors, on the 14th January 1903, to resume the work, and in accordance with the Commissioner's No. 31773, dated the 12th February 1903, they were allowed time up to the 28th February 1903 to complete the same. The work was completed within the time allowed.

150. The Contractors were unable to complete the construction of the latrines in 5th Koli Lane within the contract time. This was extended from 5th October to 11th November 1902, the latter being the date on which the work was completed.

151. As the Contractors could not assign any valid reason for the non-completion of the work within the stipulated time, the Establishment charges incurred during the extended time was recovered from the Contractors in accordance with the Commissioner's No. 24319, dated the 1st December 1902.

152. The certified expenditure on account of the two sets of latrines amounted to Rs. 15,599-14-7 at the close of the year.

Walkeshwar Latrines.

153. As stated in the last Administration Report the claim of the trustees of the Walkeshwar Temple to the site leased from Government for the erection of the latrines was referred to the Municipal Solicitors for their advice.

154. The Solicitors suggested that as the Collector of Bombay had made a positive statement that the land belonged to Government and that the Trustees of the Walkeshwar Temple had no right to it, and as the Collector's statement was supported by the fact that the land in question was apparently foreshore land, the objections raised by the Trustees should be disregarded, and the construction of the latrines proceeded with.

155. The Municipal Commissioner approved of the Solicitors' suggestion under his No. 32826, dated the 20th March 1903, and proposals for a resumption of the work were under consideration at the close of the year.

Latrines and Urinals at 2nd Pasta Lane, Colaba.

156. Under the Municipal Commissioner's No. 9408, dated the 12th July 1900, a grant of Rs. 5,742 was sanctioned for the construction of a ten-chamber latrine and four-chamber urinal at 2nd Pasta Lane, Colaba, from the grant of Rs. 12,000 provided for the construction of latrines and urinals in the Budget for 1900-1901.

157. On the acquisition of the land required for the work tenders returnable on the 17th March 1902 were invited.

158. Messrs. Mahomedali Abdulali & Co.'s tender, being the lowest of the three tenders received, was accepted under the Standing Committee's Resolution No. 423, dated the 15th April 1902.

159. Orders were given to the Contractors to commence the work on the 27th May, and it was completed on the 18th October 1902, though under the terms of their contract the Contractors were bound to complete the same within three months from the date of order.

160. The contract period was extended by one month and three weeks, and the extra charges for establishment incurred by Municipality during the extended period were recovered from the Contractors in accordance with the Municipal Commissioner's Nos. 17664, dated the 18th September 1902, and 24307, dated the 1st December 1902.

161. The total cost of the work including the charges on account of Establishment, &c., amounted to Rs. 4,545-0-9.

Latrines and Urinals in various parts of the City.

162. A grant of Rs. 12,000 was sanctioned in the Budget for 1902-1903 for the works.

163. Tenders returnable on the 24th October 1902 were invited for the same.

164. Messrs. Abdul Husein Kamrudin & Co.'s tender, being the lowest of the three tenders received, was accepted in accordance with the Standing Committee's Resolution No. 9327, dated the 27th November 1902.

165. Orders were given to the Contractors to proceed with the works on the 24th January 1903, and under the terms of their contract they were bound to complete the same within five months from that date.

166. The works were in progress at the close of the year.

167. The certified expenditure thereon at that time amounted to Rs. 211-4-4.

168. The construction of the following urinals was undertaken from renewed grants for 1901-1902 and previous years :—

No.	Particulars.	Amount sanctioned.	Expenditure up to the end of the year.	Remarks.
	URINALS.	Rs. a. p.	Rs. a. p.	
1	Providing guardstones to the hopper at Valpakady	57 0 0	36 8 0	Works completed and accounts adjusted.
2	Constructing a two-chamber urinal at Mumbadevi Road and removing the existing one	577 0 0	463 12 4	Do.
3	Laying one-inch waterpipe to serve the urinal in Surat Street with a flushing tank ...	780 0 0	479 8 6	Do.
4	Constructing a two-chamber urinal at the junction of Grant Road and Tank Street ...	484 0 0	445 12 5	Do.
5	Removing the old urinal at Mumbadevi Road at the entrance of the Shri Girdhar and Mahkali Temples	339 0 0	259 10 10	Do.
6	Providing blue stone pavement with corrugated screen wall and guardstone to the urinal opposite the Australian Stores at Apollo Street...	131 0 0	61 2 9	Do.
7	Constructing a four-chamber trough pattern urinal at the junction of Shaik Budan Comodin Street and Grant Road and removing the existing one	727 0 0	693 14 10	Do.
8	Pulling down the existing urinal and constructing a four-chamber trough pattern urinal in its place in Tantanpura Street ...	865 0 0	678 15 1	Do.
9	Constructing a two-chamber trough pattern urinal with drainage and water connections at the junction of Bapu Khote Street and Pinjrapole Street and removing the existing one	478 0 0	449 4 11	Do.
10	Constructing a one-chamber trough pattern urinal with drainage and water connections at the junction of Alli Umer Street and Pinjrapole Street	328 0 0	273 10 2	Do.
11	Constructing a one-chamber trough pattern urinal at Abdul Rehman Street	229 0 0	28 4 7	Abandoned as the Improvement Trust is to widen the road, the result being that the urinal would occupy the centre of the road, *vide* Commissioner's No. 27746 of 9th January 1903.

Water Closets in the Victoria Gardens.

169. A grant of Rs. 3,030 was sanctioned for the construction of three water closets in the Gardens under the Corporation's Resolution No. 7893, dated the 11th October 1900.

170. The work was entrusted to Messrs. Devram Keshavji & Co. in December 1900, who were the petty work contractors for 1900-01, but it had to be stopped as the questions : (*a*) of a change of the site originally selected for the water closets, and (*b*) the constructions of the water closets of an ornamental design with a shingle roof over them were in contemplation.

171. The Municipal Commissioner decided, under his No. 6162, dated the 7th June 1901, that the water closets be provided with an ordinary roof and approved of the site of one of the closets being changed. He also directed, under his No. 8953, dated the 5th July 1901, that Messrs. Devram Keshavji & Co. be allowed to resume work although their contract for petty works had ceased because they had purchased materials worth Rs. 700 to Rs. 800 on receipt of orders to start the work in December 1900.

172. The Contractors were accordingly directed under No. D—5435, dated the 20th July 1901, to proceed with the work.

173. The construction of the water closets was practically completed, and the closets made over to the Superintendent, Municipal Gardens, on the 8th February 1902.

174. Some minor works, *viz.*, the provision of sign boards and water taps and water posts for the water closets were subsequently carried out departmentally.

175. The total cost of the work, including the cost of the works carried out departmentally, amounted to Rs. 2,349-11-8.

DRAINAGE SLUICES.

176. The sluices and penstocks, which are in charge of the Drainage Branch at the following places, were worked satisfactorily during the year with the usual staff:—

(*a*) Dharavi.	(*e*) Bellasis Bridge.
(*b*) Worli.	(*f*) Queen's Road.
(*c*) Love Grove.	(*g*) Carnac Road.
(*d*) Flats.	(*h*) Mint Road.

177. The expenditure incurred for the maintenance of the sluices did not exceed the Budget provision.

178. A grant of Rs. 1,640 was sanctioned in the Budget for 1902-03 for putting up two new sluices, *viz.*, one on the Frere Road drain and the other on the ovoid sewer at Frere Road.

179. The work was taken in hand departmentally under the supervision of the Assistant Engineer, Mechanical Branch, in accordance with the Municipal Commissioner's No. 32853, dated the 15th March 1902, and was in progress at the close of the year.

MISCELLANEOUS.

180. The works in connection with repairs and alterations to and flushing and cleaning of sewers and drains, generally, and making small additions thereto, were carried out under the supervision of the Chief Inspector of Drains.

181. Daily reports in the prescribed form showing the number of sewer scrapers and the work done were submitted by the Chief Inspector.

182. Four thousand four hundred and ninety notices under various Sections of the Municipal Act were served on house-owners to provide sufficient means of effectual drainage and remedy defects in existing drainage arrangements. Out of these 1,185 notices were complied with, and action in respect of 3,305 notices was pending at the close of the year.

183. One thousand three hundred and forty-two summonses were issued against house-owners for non-compliance with notices. Out of these 909 summonses were complied with, and 433 summonses were withdrawn under various circumstances.

184. Common drains were constructed in 21 general house-gullies under Section 260 of the Municipal Act.

Sanitary arrangements of Health Camps, Plague Hospitals, &c.

185. Thirty-one works in connection with the sanitary arrangements of the various Health Camps, Observation Camps and Plague Hospitals were carried out by the Drainage Branch under the supervision of the Chief Inspector of Drains.

Stores at Bellasis Bridge Depot.

186. Stoneware pipes and fittings for house connection works were supplied by Messrs. Richardson and Cruddas, Messrs. George Gahagan & Co. and Messrs. Sorabji Shapurji & Co.

187. The value of the pipes and other special fittings such as traps, junctions, bends, &c., received during the year from 1st March 1902 to 28th February 1903, amounted to Rs. 17,880-1-6, and of those issued to the contractors and sold to plumbers, &c., during the same period, amounted to Rs. 24,384-5-10.

Cast-iron and galvanized sheet iron fittings, &c.

188. Cast-iron manhole frames and covers and other castings for ordinary, special and miscellaneous drainage works were supplied by Messrs. Sorabji Shapurji & Co., the casting contractors, for the year.

189. The value of the cast-iron articles received and issued from 1st March 1902 to 28th February 1903 amounted, respectively, to Rs. 4,813-10-2 and Rs. 7,937-11-11.

Cement.

190. One thousand casks of cement of the "Pyramid Brand," manufactured by Messrs. Knight, Bevan and Sturge, of London, were delivered by Messrs. Turner, Hoare & Co. during the year. This quantity formed a part of the 6,000 casks of cement which the Company had contracted to supply under their agreement dated the 9th December 1901.

191. The value of cement received and issued from 1st March 1902 to 28th February 1903, respectively, amounted to Rs. 10,306-8-8 and Rs. 26,503-11-6.

Value of Stores on hand and of Receipts and Issues.

192. The value of stores on hand on the 1st March 1902 (including Rs. 334-8-5 for advertisement charges which were added to the value of articles purchased for the year 1901-1902 after the submission of the report for that year) was Rs. 2,99,858-3-5; that of the receipts and issues during the year 1902-1903 amounted, respectively, to Rs. 33,000-4-4 and Rs. 58,825-13-3, and the value of stock in hand at the close of the year was Rs. 2,74,032-10-6.

E

WATER WORKS.

TANSA LAKE.

193. The rainfall for the year 1902 was 89·87 inches, that for the years 1900 and 1901 being 104·60 and 96·15 inches, respectively. On seven days it exceeded 3″, and those on which it was from 1″ to 3″ numbered 21. The lowest level of the Lake during the year was 392·90, T. H. D., on 4th July 1902. The lowest of the previous three years being 391·60, T. H. D.

194. The total quantity of water received in the Lake, including that which overflowed by the waste weir (*viz.*, 21,808 millions of gallons), was 34,531 millions of gallons or 50·4 per cent. of the rainfall.

195. The quantity of water drawn from the Lake from the 1st October 1901 to 1st June 1902 was 9,075 million gallons or 37·34 million gallons per day. Of this about 5,980 million gallons or 24½ million gallons a day were delivered into the Acqueduct, the balance being lost by evaporation and leakage.

196. Sections were again taken this year to ascertain if it were necessary to protect the foundations of the dam from the effects of the denudation of the ground at the back of the dam, caused by the overflow in monsoon, but the conditions were found practically unchanged.

197. The quantity of water which reaches the gauge weir at Ghatkoper, where the supply main starts, is about 21½ million gallons per day. The balance is lost by leakage, evaporation or discharged at overflow weirs. As compared with the observations taken three years ago the total measurable leakage has been reduced from about eight to about five lakhs of gallons a day.

198. All the weak portions of the Acqueduct have now been strengthened with dry rubble at least to the floor level, and the remainder will shortly be completed. Stone found on the ground has been used throughout, and the work has all been done by the agency of the permanent staff at no extra cost to the Corporation, save the part near Bhandup where Rs. 1,257-5-5 has been expended on extra labour.

REPAIRS TO KASHELI EMBANKMENTS.

199. The Kasheli Embankments have now been repaired and pitched throughout, the expenditure during the year under report having amounted to Rs. 3,866 as compared with the estimate of Rs. 10,400. The work was carried out departmentally under the superintendence of the Divisional Inspector, Mr. Bein, who deserves credit for the economical and efficient manner in which he did the work. The total saving accruing from the sanctioned estimate amounts to Rs. 6,534.

200. The Inspector's bungalow at Kasheli was reroofed and partly rebuilt during the year, as also were one of the Linemen's chowkee. Several more of the latter will have now to be taken in hand, as during the 10 years since they were built they have become more or less ruinous.

VEHAR LAKE.

201. The rainfall for the year 1902 was 72·92 inches, those for the two previous years 1900 and 1901 were 72·96 and 75·58, respectively.

202. On five days the rainfall exceeded 3″, and on 14 it was from 1″ to 3″.

203. The total quantity of rain which fell on the whole of the drainage area of 3,900 acres was about 6,483 millions of gallons. Of this about 5,335 millions of gallons reached the Lake or about 83 per cent. of the total rainfall. If, however, as is probable, about 20 per cent. more rain was received on the higher portion of the catchment than that registered in the rain-gauge, it is probable that not more than 66 per cent. of the total fall actually reached the Lake, of this the major part was received during the second period of the rains.

204. The quantity of water received into Vehar Lake from Tansa Duct was 109 millions of gallons.

205. The quantity of water drawn from the Lake between 1st October 1901 and 1st June 1902 was 3,010 million gallons or an average of 12·34 million gallons per day, while that between 1st October 1902 and 31st March 1903 being 2,087 millions of gallons or 11·46 millions of gallons per day, including evaporation and leakage.

206. The evaporation from the Lake during seven dry months was as follows :—

1902—	April	= 5·8″
	May	= 6·0″
	November	= 3·0″
	December	= 2·5″
1903—	January	= 3·1″
	February	= 2·8″
	March	= 3·1″
	Total...	26·3″

in seven months of 212 days. This gives an average of ·124 inch per day or about 3·35 millions of gallons on the mean lake area of 50,000,000 square feet for the period.

207. Bursts are becoming increasingly frequent on the 32″ main, four having occurred between Curry Road and Matunga during the monsoon, when the surrounding land was under water, which made the work of repair both difficult and costly ; and two north of Kurla Station.

208. Tenders for replacing the 32″ main near Kurla to a length of 1½ miles by 48″ piping were invited and submitted for the approval of the Standing Committee, but the work has been postponed until the opinion of an expert has been obtained regarding the advisability of adopting steel piping.

209. A Commission was appointed in June 1902 to consider the question of removing the 32″ main between Kurla to Byculla from the side of the G. I. P. Railway to a new line parallel with the Tansa 48″ pipe, and this will probably soon be taken in hand.

TULSI LAKE.

210. The rainfall for the year 1902 was 93·19 inches, that for the years 1900 and 1901 being 93·02 and 93·62 inches, respectively.

211. On seven days the rainfall exceeded 3″ and on 19 it was from 1″ to 3″.

212. The total rainfall on the whole drainage area of 1,700 acres was 3,623 millions of gallons. Of this about 1,810 millions of gallons reached the Lake or about 50 per cent. of the fall. During the first period of the rains the quantity received barely equalled that drawn off, as owing to the scattered nature of the showers the evaporation and absorption accounted for fully 80 per cent. of the fall. In the second period, however, the rain was much more continuous, and about 90 per cent. of the recorded rainfall was received.

213. The quantity of water drawn from the Lake from 1st October 1901 to 10th June 1902 was 1,478 millions of gallons or 5·84 million gallons per day, that from 1st October 1902 to 31st March 1903 is 996 million gallons or 5·47 million gallons per day, including evaporation and leakage.

214. The evaporation in the Lake from April 1902 to March 1903 was as follows :—

1902—	April	= 5·8″
	May	= 6·0″
	November	= 3·0″
	December	= 2·6″
1903—	January	= 3·1″
	February	= 2·8″
	March	= 3·1″
	Total...	26·4″

215. This gives an average of about ·125 inch per day equivalent to ·84 million gallons on the mean lake area of 12,000,000 square feet.

216. During the year there was one burst near Marole in the Tulsi 24″ main.

BHANDARWADA (JOHN HAY GRANT) RESERVOIRS AND FILTERS.

217. With a view of stopping leakage from filters Nos. 3, 4 and 6, sanction was obtained to asphalte the floors of these filters ; the work is now completed in Nos. 4 and 6 and No. 3 has now been taken in hand, and the filtering materials in the two former partly replaced. It is hoped to finish the asphalting before the monsoon commences, and the washing and replacing of the sand by the end of the year.

218. Numerous cracks were found in the bottom of these filters which fully accounted for their leaky condition.

219. An air pipe has been fitted to the outlet pipe from Reservoir No. 2 and the flap valves on its inner end, which were defective, removed. This has led to an improvement in the pressures in B Ward.

220. Screens are being fitted in the inlet channel supplying the filters to remove fish and other grosser matters in suspension from the water before it enters the filters.

MALABAR HILL RESERVOIR AND FILTERS.

221. The bye-pass connection to the filters and the erection of the screens in the inlet well were completed in November, and have been found to work satisfactorily. The filters now work about 20 per cent. longer without requiring to be cleaned than formerly.

222. The construction of three additional filters and reservoir was started in December last, Mr. Bhasker Shivram being the Contractor. Owing to delays in obtaining materials the progress of the work has not been all that could be desired, the quality of that executed so far is good. Several samples of the mortar which have been tested have given good results.

Supply and Distribution.

223. A 9″ main, as an additional supply main in the DeLisle Road from its junction with Carrol Road to the previously existing 9″ main in the same road near its junction with the Fergusson Road, has been successfully laid at a total cost of Rs. 9,347, being Rs. 5,834 below the estimate.

224. The work was done departmentally.

225. A 4″ main to a length of about 1,200 feet was laid in the Wodehouse Bridge Road. The work of laying mains in New Wodehouse Road and other roads in Hornby Estate, constructed by the Improvement Trust, is delayed, pending the result of correspondence between the Trust and the Municipality.

226. Tenders for providing and laying 32″ and 22″ steel mains connecting with 48″ Tansa Main with Malabar Hill (*via* Arthur Road, Tardeo, Forjett Street, etc.), and for an 18″ steel main to Bhandarwada, were invited and submitted to the Standing Committee. The works have, however, been delayed for the same reason as the 48″ near Kurla.

9″ and 10″ mains in Grant Road.

9″ Main in Tardeo and Forjett Streets.

18″ Main from Kalachowki to Bhandarwada (half distance).

12″ Main in Sewri Road (part).

9″ Main in Reay Road.

4″ Main in Sewri Road (part), have also been delayed till a decision is arrived at regarding the larger mains.

227. Tenders for the supply of pipes and specials for laying 15″ pipe in Bhoiwada and Elphinstone Road, 4″ pipe at Khara Tank Road and replacing 3″ main by 4″ in B Ward, having been accepted, the work is now in progress departmentally.

List of Bursts repaired during 1902-03.

78	bursts	on	3″	pipes.
18	,,	,,	4″	,,
6	,,	,,	5″	,,
7	,,	,,	6″	,,
2	,,	,,	7″	,,
1	,,	,,	10″	,,
1	,,	,,	12″	,,
1	,,	,,	24″	,,
2	,,	,,	32″	,,
116				

Of these 42 were caused by the operations of the Drainage Contractors.

228. The number of new connections made during the year under report was 405 and that of the connections cut off for various reasons was 274, leaving a net increase of 131 or 0·6 per cent. The total number of connections now stands at 20,683.

229. The annual increase in the number of connections in the last three years has been as follows :—

Year.	Total No.	Increase per cent.
1900-1901	190	0·9
1901-1902	158	0·8
1902-1903	131	0·6

230. The total number of meters at present in use is 3,202, of these 2,093 or about 65½ per cent. were tested during the year with the following result :—

——	Number.	Per cent. of tested.	Per cent. of that found defective.	Per cent. of total in use.
Stopped owing to wear of internal parts	255	12·18	32·08	7·96
Slow do. do. do.	333	15·91	41·88	10·40
Stopped owing to dirt in do.	117	5·59	14·72	3·65
Slow do. do. do.	64	3·06	8·05	2·00
Fast do. do. do.	3	0·14	0·38	0·09
Tampered with	23	1·10	2·89	.....
Correct	1,298	62·02	.....	.....
Total ...	2,093	100·00	100·00	24·10

These figures do not include a large number tested on the spot and found to be working accurately.

231. The number of meters tested exceeded by 546 those of the previous year, and 160 more meters were found defective ; this increase was due to the working parts of some of the older inferential meters wearing out. The percentage of the whole number of meters in use found in any way defective was 24. It will be observed that only three meters were found to be over registering.

Waste Prevention.

232. The examination of the mains by means of Deacon's meters, sounding, &c., has proceeded as usual, and it is believed that the total leakage does not exceed 1 per cent.

FINANCIAL.

233. The value of the Reserve Stock on 1st March 1902 was Rs. 3,77,211-15-1, and the purchase during the year was Rs. 66,435-0-4, the balance in hand on the corresponding date this year was Rs. 3,87,705-8-10. The profit on stock was Rs. 35,431-8-0, and the loss Rs. 1,215-3-5, leaving Rs. 34,216-4-7 net credit.

234. The mean expenditure for maintenance during the past five years has been about Rs. 2,16,261, the corresponding figures for the preceding period having been Rs. 2,26,400.

235. The mean revenue for the same periods was Rs. 16,13,293 and Rs. 13,69,250, respectively, showing an increase of Rs. 2,44,043.

236. **Work done for Municipal Departments and Private Parties.**

	Bill Nos.		Amount.		
Departmental Works	1,396	Rs.	35,239	2	9
Private Works	442	,,	8,098	3	10
Total ...		Rs.	43,337	6	7

237. **New building works completed during the year under report.**

(1) Inspector's quarters at Kurla.

(2) Quarters for the workmen of the Water Branch at Kurla.

F

REGULATION OF STREETS AND BUILDINGS.

BUILDING APPLICATIONS.

238. The number of applications for permission to either build or rebuild houses, &c., during the year under report amounted to 2,480, or 261 more than those received during the preceding year. Of these, 2,442 were passed either wholly or subject to certain conditions, and 38 were entirely disapproved.

NOTICES AND SUMMONSES ISSUED.

239. During the year under review 3,811 notices were issued on house-owners under various Sections of the Municipal Act, or 762 more than those issued during the previous year.

240. Four hundred and eighteen prosecutions were instituted in the Magistrate's Court under different Sections of the Municipal Act against the house-owners who failed to comply with the notices served upon them by this Department.

241. In 98 of these cases the parties complied with the terms of the notices served upon them; in 215 they were warned and discharged; in 94 cases they were convicted and fined, and 11 cases were postponed to the year 1903-04.

242. The amount of fines realized was Rs. 1,315-1-0.

243. The following statement shows the different Sections of the Act under which offenders were prosecuted, and the other details of prosecutions during the year 1902-03 :—

Wards.	Number of Sections of the Act.	Number of Prosecutions.	Cases withdrawn as requirements were complied with, &c.	Persons warned and discharged.	Persons convicted and fined.	Cases postponed to next year, 1903-1904.	Amount of fines.
							Rs. a. p.
Superintendent, A, D & G Divisions	231	4	2	2	...	...	.....
	247	8	2	2	4	...	20 0 0
	322	6	1	4	1	...	3 0 0
	347	73	22	38	12	1	296 0 0
	353	26	3	17	6	...	86 0 0
	354	12	2	7	3	...	30 0 0
Superintendent, B & C Divisions.	247	4	1	2	1	...	10 0 0
	257	1	...	1	...	...	.....
	308	5	1	3	1	...	25 0 0
	309	1	...	1	...	...	.....
	311	1	...	1	...	...	.....
	322	6	2	3	1	...	50 0 0
	347	88	12	47	25	4	235 0 0
	353	10	2	5	2	1	15 1 0
	354	8	1	2	3	2	40 0 0
	By-law No. 36	2	...	1	1	...	10 0 0
	Do. 34	1	1	...	...	...	.....
Superintendent, E & F Divisions.	247	14	5	3	6	...	85 0 0
	308	3	...	3	...	...	.....
	322	3	1	1	...	1	.....
	329	1	1	...	...	...	.....
	347	95	23	49	22	1	363 0 0
	353	44	14	23	6	1	47 0 0
	354	2	2	...	...	...	.....
Total ...		418	98	215	94	11	1,315 1 0

UNSAFE OR RUINOUS BUILDINGS.

244. During the year under report 318 notices were issued for the removal of unsafe, dangerous, or ruinous buildings which were all complied with either partly or wholly. Notwithstanding this, 16 buildings or parts of buildings unobserved by the officers of the Building Department fell down. Fortunately no injury was done to life in 14 of these, but in two cases four persons were killed and three injured.

REMOVAL OF RUINOUS HOUSES, HUTS, OBJECTIONABLE CONSTRUCTIONS, DOORS, PROJECTIONS AND ENCROACHMENTS ON STREETS.

245. Action was taken under various Sections of the Municipal Act for the summary removal of ruinous houses and huts of objectionable construction, and of doors opening outwards, projections and encroachments on streets, &c., with the following results :—

Number of cases in which action has been taken departmentally	239
Number of cases executed by house-owners or withdrawn	1,992
Number of cases in which action is pending	136
Total number of cases...	2,367

STREET IMPROVEMENT OR SET-BACKS.

246. The amount allowed for street improvement for the year 1902-03 was Rs. 1,00,000, which together with the grant for previous years renewed during the year amounted to Rs. 1,42,132-6-6. Out of this amount Rs. 82,189-14-9 were actually paid during the year, and a large amount of liability is still to be met.

247. The following statement shows the areas and values of grounds added to streets in each ward during the year under report :—

			Rs.	a.	p.
569·40	square yards in Ward	A	28,677	11	0
360·17	„ „	B	15,911	4	4
178·55	„ „	C	5,431	8	0
1,485·27	„ „	D	15,065	6	6
153·21	„ „	E	1,444	4	0
289·60	„ „	F	1,432	5	7
Nil	„ „	G	.....		
Total square yards... 3,036·20		Total Rs. ...	67,962	7	5

G.

ROADS, FOOTPATHS, &c.

REPAIRS AND MAINTENANCE.

Road Repairs.

248. The following statement gives the items of works executed out of the sanctioned grant for road repairs and maintenance :—

Particulars.	Quantity of work done in square feet.	Expenditure.
		Rs. a. p.
Metalling	9,460,234	2,60,799 0 11
Sandstoning	2,189,367	6,823 8 8
Scraping	.....	44,162 9 0
Repairs and maintenance of footpaths, bridges, culverts and roadside retaining walls, &c.	.....	15,557 7 2
Roadside trees, fencing and maintenance	.....	5,713 13 7
Repairs to, and purchase and maintenance of, tools and plant and other works incidental to the work of repairs to roads, footpaths, &c.	.....	22,253 0 4
Unexpended balance...	11,649,601	30,037 15 4
Total sanctioned grant ...		3,85,346 7 0

249. The area of roads metalled during the year under review being 9,460,234 square feet and the expenditure incurred upon the same being Rs. 2,60,799-0-11, the rate for metalling works out to 5·29 pies per square foot.

250. During the year under review the grant for Road Repairs and Maintenance was increased by Rs. 25,000, and it was therefore possible to keep the roads in comparatively better condition than was the case in past and previous years.

Road Metal.

251. The total quantity of metal purchased during the year under review was 1,426,241 cubic feet at a cost of Rs. 75,150-5-7.

Road-watering.

252. The road-watering grant for the year under review, excluding that of providing new pattern hydrants, was Rs. 60,000.

253. As stated in previous report the new system of watering has proved more satisfactory than the former one of watering by means of bullock carts. It promises to be more so when the constant supply at high pressure can be introduced into the City.

254. Out of the grant of Rs. 5,000 provided in the Budget, 628 trees with tree-guards were provided along different roads in the City.

255. A portion of Esplanade Road from the National Bank to Messrs. Treacher and Co.'s premises was treated with crude petroleum oil as an experiment, and about 10½ tons of oil was used in three dressings. The results were eminently satisfactory, both as regards total absence of dust nuisance, and in the general improvement of the road, which was thereby rendered clean and even. The cost of the treatment by crude oil was, however, comparatively greater than ordinary watering.

Footpaths.

256. A grant of Rs. 10,000 was provided for paving footpaths along the following roads, and the work of laying artificial stone pavement was in fair progress at the close of the year :—

1. Colaba Causeway.
2. Mint Road.

Tramways.

257. No extension has been made in the existing Tramway tracks during the year under review.

H.

PUBLIC LIGHTING.

GAS LIGHTING.

258. The total number of gas lamps in the City at the end of the year under report was 4,005 as detailed in the following statement, and the total cost of lighting has been Rs. 2,32,862-9-5.

259. The minimum contract pressure as well as illuminating power were maintained during the year. The lighting of the City was, however, not very satisfactory, owing in some cases to imperfect mantles, in some cases to bad burners and chokage of pipes and to accumulation of napthaline in some of the pipes, and the attention of the Gas Company was from time to time drawn to it. No penalty is provided in the contract for dim or imperfect lighting, and my Department has simply to content itself by drawing the attention of the Gas Company to it. On the whole, however, some improvement was effected over that of the preceding year, and the complaints were not so numerous :—

Ward.	Single light.		Double lights.				Triple lights.		Quadruple lights.		Quintuple lights.					Total number of lamps.
	Part month.	Whole month.	Apollo Pier.	Frere Fountain.	Wellington Fountain.	Kharshedji M. Shroff Statue.	Part month.	Whole month.	Apollo Pier.	Victoria Dock.	Hornby Road.	Queen's Statue.	Mint Road.	Prince's Dock.	Church Gate Street.	
A	796	159	8	8	8	...	2	1	8	...	1	4	1	...	1	1,079
B	469	200	...	...	...	...	1	...	...	4	...	...	...	1	...	693
C	432	219	...	...	...	...	...	1	...	...	...	...	...	...	...	654
D	653	54	...	...	...	...	7	...	...	...	...	...	...	...	...	728
E	491	88	...	...	...	4	2	...	...	...	...	...	...	...	...	593
F	113	10	...	...	...	...	1	...	...	...	...	...	...	...	...	126
G	126	16	...	...	...	...	...	...	...	...	...	...	...	...	...	142
Total ...	3,080	746	8	8	8	4	13	2	8	4	1	4	1	1	1	4,015
Total No. of burners. ...	3,080	746	16	16	16	8	39	6	32	16	5	20	5	5	5	
Deduct.—Ordinary lamps not converted into incandescent ones																10
Total ...																4,005

260. During the year under review 25 new gas lamps were put up along the roads detailed below :—

Locality.	Part month.	Whole month.	Total.
Banam Hall Lane	3	2	5
Dhunji Street	2	.....	2
Khetwady 3rd Lane	1	.....	1
Matharpakhady Road	1	.....	1
Nepean Sea Road	1	.....	1
Ridge Road	1	.....	1
Vanka Mohalla	1	.....	1
Upper Colaba	13	.....	13
Total No. ...	23	2	25

KEROSINE OIL LIGHTING.

261. As in the preceding years, the kerosine oil lighting was carried out departmentally and Snow Flake kerosine oil of 150° proof test was used.

262. As desired by the Standing Committee trials were made with kerosine oil of 125° consumed in new pattern burners with pine globes and the results were satisfactory. As however the market rate for this class of oil was comparatively high, during the year under review, the introduction of this oil as a street illuminant could not be effected save at considerable extra cost.

263. The total number of kerosine oil lamps in the City at the close of the year under review was 1,775 as shown below:—

Ward.	Double Wick.		Single Wick.		Total.
	Part month.	Whole month.	Part month.	Whole month.	
A	...	...	44	16	60
B	...	...	130	52	182
C	...	...	33	89	122
D	26	...	88	30	144
E	2	...	338	187	527
F	...	...	414	2	416
G	...	...	250	74	324
Total No. ...	28	...	1,297	450	1,775

264. The kerosine-oil lamps along Naigam Road, Naigam Cross Road and Matunga Road were re-arranged at an uniform distance of 125 feet and 15 additional lamps were provided for improving the lighting of this locality.

265. Similarly the kerosine-oil lamps in the Kamatipura District were re-arranged and 66 additional lamps were provided.

266. The cost of both these works and maintenance charges were met from the grant for kerosine-oil lighting during the year under report.

267. The total cost of kerosine-oil lighting during the year under review was Rs. 36,422-3-4. Deducting from this Rs. 2,636-7-9 recovered by sale of empty kerosine-oil cases with tins, &c., Rs. 2,445-12-2 for Departmental bills for lighting health camps, &c., and Rs. 124-15-8 as miscellaneous recoveries from private parties for breakage of lanterns, posts, &c., the net cost of kerosine-oil lighting during the year has been Rs. 31,214-15-9, which gives a rate of Rs. 17-9-4 per lamp per annum.

THE ELECTRIC LIGHT INSTALLATIONS.

268. The underground cable between the generating station at the Crawford Market and the Municipal Offices broke between the Muncipal Office and the 1st Inspection Chamber opposite the Victoria Terminus on the 26th March 1902. The defect was found to be due to leakage of water into the cast-iron pipe carrying the cable, and it was necessary to renew a length of a quarter of a mile. This new length of cable is sheathed with lead to more effectually guard against damp.

269. The breakage occurred just before the Easter Holidays, and as it was not necessary to light the Municipal Offices during the period required for renewals, no inconvenience was felt on account of the stoppage.

270. On the 1st October there was a delay of 40 minutes in starting the arc lamps in the Crawford Markets on account of a broken cable connection to one of the lamps. Beyond the above there were no other failures throughout the year.

271. The armature of the Crawford Markets arc lighting dynamo was returned to the Markets through Messrs. John Fleming and Co. for examination and repairs during the year, and was repaired at a cost of Rs. 172-8-0. During its absence the spare armature was used.

272. Three thousand seven hundred pairs of carbons for the arc lamps in the Crawford Markets were purchased from Messrs. Nowroji Wadia and Sons in August 1902, at a cost of Rs. 481.

273. The total cost of working the installation was within the Budget apportionment and amounted to Rs. 9,882-15-1.

I.

MUNICIPAL WORKSHOPS.

274. The following are the particulars of expenditure incurred during the year for departmental and private works executed at the Municipal Workshops and for supervision and shop charges, tools and repairs to machinery, buildings, &c. :—

	Rs. a. p.	Rs. a. p.
For Departmental Works, &c.—		
Labour	35,974 11 1	
Stores	52,392 7 9	
Piece-work, cart-hire, &c.	782 13 0	
Total ...		89,149 15 10
For Workshops & Stores—		
Labour	523 0 4	
Stores	2,843 3 11	
Total ...		3,366 4 3
For Shop Charges—	Rs. a. p.	
Labour	1,681 0 7	
Stores	7,951 1 2	
Centrifugal pump (Rs. 310) and boiler test pump (Rs. 191-4)	501 4 0	
Piece-work, contingencies, water-tax, &c.	55· 0 0	
Total ...		10,188 5 9
For Tools, Repairs to Machinery, Buildings, &c.—		
Labour		
Stores	12 1 11	
Repairs to buildings		
Total ...		12 1 11
For Supervision Charges, Establishment, &c.—		
Establishment	7,578 12 4	
Stores	1,061 12 4	
Contingencies	649 2 6	
Total ...		9,289 11 2
Total expenditure for working the Shops ...		19,490 2 10
Total expenditure during 1902-1903 was Rs. ...		1,12,006 6 11
The total expenditure during 1902-1903 on account of Departmental works, &c., (Rs. 89,149-15-10) and for Workshop and Stores jobs (Rs. 3,366-4-3) aggregated, with the amount charged for supervision, tools, shops and repair charges, &c., (Rs. 32,260-9-6) to		1,24,776 13 7
Add—Amount of incomplete jobs at the beginning of the year 1902-1903 ...		3,941 11 9
		1,28,718 9 4
Deduct—Amount of incomplete jobs at the end of the year 1902-1903 ...		3,651 10 4
Thus the total amount of bills preferred by the Workshops in 1902-1903 was		1,25,066 15 0

PERCENTAGE FOR SUPERVISION, SHOP REPAIR CHARGES, &c.

	Rs. a. p.	Rs. a. p.
The actual charges for the general working of the Shops (Rs. 10,200-7-8) and for supervision, exclusive of the pay of the Assistant Engineer, Mechanical Branch (Rs. 9,289-11-2) amounted to	.....	19,490 2 10
The amount recovered on account of the abovementioned expenses by charging the fixed percentage of 35 per cent. on the cost of labour employed and materials used for works executed at the shops was	31,207 10 8	
The difference between the actual cost of working the Municipal pumping engine, plus 35 per cent. for supervision, repairs, &c., and the fixed charges at which it was let on hire to private parties and for Departmental works was ...	1,049 6 11	
The percentage realized for private works executed was	13 7 11	
The amount realized by the sale of surplus and unserviceable articles, coal ashes, &c., was	2,102 12 3	
The balance in favor of the Workshops was therefore	.....	14,859 2 11
Total Rs. ...	34,359 5 9	34,359 5 9

275. The question as to the right of occupancy of the ground occupied by the Health Department Stables and the Workshops has not yet been settled. As stated in the previous year's Report, Government have filed a suit in the High Court for the recovery of the ground, but the case has not yet come on for hearing.

276. The following are the principal items of new works completed during the year:—

Description of Work.	Amount.
	Rs. a. p.
Making and erecting a blacksmith's shop fitted with tools and a godown at Chimbhur ...	2,886 13 8
Do. 1 offal bin for Municipal Markets	262 0 5
Do. 2 26" brass spindle sluices and 4 dozen brass spindles	401 12 5
Do. 10 hand refuse barrows	611 5 2
Do. 2 cupboards and 1 iron safe	465 9 1
Do. 2 light riding trollies for Coorla-Deonar Railway	378 3 10
Do. 4 iron stand pipes for old pattern hydrants with 2½" G. M. couplings 50' length canvas hose 2½" 4 hydrant keys	245 12 5
Do. 2 new water tanks with teakwood stand	378 6 1
Do. 10 drain carts for Chief Inspector of Drains	1,783 1 10
Do. 3,000 teakwood keys for Coorla Deonar Railway	499 10 2
Total Rs. ...	7,912 11 1

277. The following are the principal items of new works which were in progress, but were not completed before the close of the year :—

Description of Work.	Estimated cost.	Expenditure up to 28th February 1903.
	Rs. a. p.	Rs. a. p.
Connecting 3 old boilers into air-receivers and fixing them in position at the Love Grove Compressor Station	2,460 0 0	511 15 6
Making 2 new sluices for the Frere Road and Carnac Road sewers ...	1,640 0 0	1,023 9 4
Making 3 teakwood plank cupboards for Executive Engineer's Department	424 12 0	257 0 8
Making 8 swings and fixing cross bars in the new cages at Victoria Gardens	364 0 0	123 7 2
Making 3 sets of wheels complete for Merryweather steamer, 3 sets of wheels complete for stand Mason steamer, 3 copper stand pipes with hydrant keys and bars...	1,211 0 0	1,185 2 10
Making 2 new infectious disease vans for Divisional Health Officer, Nos. 3 and 4	1,161 0 0	171 14 9

278. In addition to the above works the Workshops have continued to keep in repair the rolling-stock of the Health, Road and Drainage Departments, the machinery of the Love Grove Pumping and Compressor Stations, and the Colaba Compressor Stations, Ejector Stations steam rollers, fire engines, electric light machinery, &c.

279. The following new machinery for the Workshops was purchased during the year :—

(1) One cylinder boring machine, made by Messrs. F. Berry and Sons and supplied by Messrs. Turner, Hoare & Co., at a cost of Rs. 3,501.

(2) One 10 inch shaping machine, made by Messrs. F. Berry and Sons and supplied by Messrs. Turner, Hoare & Co., at a cost of Rs. 1,584.

(3) One 8 horse power portable engine, made by Messrs. Marshall, Sons & Co. and supplied by Messrs. C. Jost & Co., at a cost of Rs. 2,650.

(4) One pulsometer pump and boiler, made by the Pulsometer Engineering Co. and supplied by Messrs. Turner Hoare & Co., at a cost of Rs. 3,055.

(5) One 4 inch Gwynne's centrifugal pump supplied by Messrs. Marshall, Sons & Co., at a cost of Rs. 310.

(6) One Bailey's boiler test pump supplied by Messrs. Bradbury, Brady & Co., at a cost of Rs. 191-4-0.

THE HYDRAULIC LIFT SERVICE.

280. The hydraulic lift in the Municipal Office worked satisfactorily during the year at a total cost of Rs. 1,528-3-11.

PLAGUE OPERATIONS.

Inspection, Improvement and Demolition of Insanitary Buildings during the year 1902-1903.

281. During the year under report the systematic inspection of the most insanitary houses in Parel, Sewri and Sion was proceeded with along with the other districts in the City.

282. In addition to this, a second round of inspection of the less insanitary buildings in the City was taken in hand in the several districts of the City.

283. The accompanying statement marked A gives detailed information for the year under report as regards the number of houses inspected in each district ; those found in need of improvement, and those that were considered incapable of improvement, and consequently condemned to be demolished.

284. Altogether 469 houses were inspected during the year under review, of which 431 houses were found more or less in need of improvement ; the rest, *viz.*, 38, were found incapable of improvement and fit for demolition.

285. The demolition of 171 houses and sheds, condemned during the previous year, and part of those condemned during the year under review, was effected.

286. During the year 307 notices were issued requiring the owners to improve their buildings. 793 houses, for which notices were issued during the previous year and the year under report, were taken in hand for improvement. Closing notices for 360 houses were issued, out of which 39 houses were closed permanently for demolition, and 321 temporarily for enforcing improvements in them.

287. The values of 10 houses were assessed by the Government Assessor during the year prior to their being demolished, the aggregate amount awarded being Rs. 1,761.

288. Rupees one thousand and sixty-five were paid as compensation during the year for structures demolished, which amount mostly includes the compensation for the buildings demolished during the previous years.

289. The work of abating overcrowding in the congested parts of the City was carried out as during the last year. In all 268 notices were served to reduce overcrowding, and in 239 houses overcrowding was abated.

290. During the year certificates of fitness for human habitation were issued in case of 457 buildings.

291. In addition to these, in 200 buildings the improvements have been practically completed, but as there are still a few minor works to be carried out in them the certificates have not been granted.

292. The following is a summary of the clerical work done by the House Improvement Branch during the year :—

293. Letters, &c., received, including replies to references to the Inspectors (22,623).

294. Letters, &c., despatched, including references to the Inspectors for report (28,902).

295. Under Government Notification No. $\frac{2675\text{-P}}{3027}$ of 10th May 1898, Municipal workmen were employed to do the works of ventilation in one building. In this case no sooner Municipal men were employed than the owner himself took the works in hand, and consequently the Municipal men were withdrawn.

296. Statement showing the number of houses inspected, those found in need of improvements, and also those which were considered incapable of improvement.

Districts.	Number of blocks inspected.	Number of blocks requiring improvement.	Number of blocks to be demolished being incapable of improvement.	Remarks.
1	2	3	4	5
Fort	9	9	...	
Mandvi	69	69	...	
Chukla	1	1	...	
Umerkhari	28	28	...	
Dongri	77	76	1	
Market	3	3	...	
Dhobi Talao	3	...	3	
Fanaswadi	16	12	4	
Kumbharwada	59	59	...	
Girgaum	2	2	...	
Chowpati	25	18	7	
Walkeshwar	5	1	4	
Mazagon	21	18	3	
2nd Nagpada	43	43	...	
Tardeo	9	9	...	
Byculla	20	14	6	
Parel	10	...	10	
Mahim	1	1	...	
Bhuleshwar	68	68	...	
Total ...	469	431	38	

J.

GENERAL.

BILLS, VOUCHERS, &c., RECEIVED AND PASSED.

297. Comparative statement of the number of bills, vouchers, &c., received, examined and passed during the five years from 1898-99 to 1902-1903 :—

Description.	1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.
Bills for Supplies, Works, &c.	11,465	11,032	11,010	14,535	16,640
Departmental Works Bills	3,847	4,009	4,463	5,074	5,040
Private Works Bills	1,945	2,274	2,339	1,709	2,330
Total ...	17,257	17,315	17,812	21,318	24,010

NOTICES, &c., ISSUED.

298. Comparative statement of the number of notices, &c., issued during the five years from 1898-99 to 1902-1903 :—

Section.	Description.	1898-99.	1899-00.	1900-01.	1901-02.	1902-03.
	Street and Building Branch.					
231	To provide rain-water eaves, gutters and down pipes...	477	467	405	99	78
232	To drain undrained premises not within a hundred feet of a Municipal drain	...	...	...	...	...
234	To provide effectual drainage to new buildings	...	...	...	...	...
247	To provide water-closets, privies or urinals	5	15	9	25	41
257	To remove encroachments on drain, cess-pool, house gully, privy, urinal, &c.	6	20	3	4	6
299	Intimation to take possession to land outside building for street improvement	11	28	41	51	74
305	To level, metal or pave drain and light private streets ...	...	...	...	...	76
308	To remove new projections	121	182	132	109	133
309	To remove old projections	18	2	2	1	1
311	To remove or alter door, gate, bar or window opening upon a street	36	56	23	21	9
315	To remove projection or obstruction in or upon any street or upon or over open channel, drain, well or tank	1	...	...	...	...
329	To repair, protect or enclose wells or dangerous places ...	3	5	7	2	4
349	To remove inflammable materials in external walls and roof covering	732	621	907	352	773
351	To remove, alter or pull down structures erected without Municipal approval or to submit plans for the same ...	277	433	19	36	33
351(1)(a) &(2)	To remove the unauthorized works	...	...	7	9	12
353	To alter buildings erected or to amend works done contrary to the provisions of the Municipal Act or Building Bye-laws	424	362	354	307	220
354	To pull down ruinous houses	383	312	568	367	318
380	Removing or altering insanitary huts or sheds ...	162	957	786	320	407
383	To cut and trim trees, shrubs and hedges	6	5	4	3	12
488	Intimation of intention to enter houses after 24 hours' notice	960	2,026	2,471	1,343	1,468
		3,622	5,491	5,738	3,949	3,665

Notices, &c.—*continued.*

Section.	Description.	1898-99.	1899-00.	1900-01.	1901-02.	1902-03.
	Drainage Branch.					
222	For laying Municipal drains through or under land belonging to private parties....	3	6	47	15	8
228-229	To drain private properties into Municipal drain	1	...	...	...	...
230	To carry drains through land belonging to other persons.	3	8	5	13	11
231	To drain undrained premises within a hundred feet of a Municipal drain	979	1,239	1,820	3,500	3,000
231&232	To drain undrained premises within or without a hundred feet of a Municipal drain	...	...	...	...	...
231&257	To close, remove, renew, repair, &c., drainage of premises without sufficient means of effectual drain	...	...	...	...	...
231&260	To drain undrained premises through the Municipal Agency	...	48	...	...	...
232	To drain undrained premises not within a hundred feet of a Municipal drain	102	100	34	51	52
232&257	To provide effectual drainage to new buildings	6	1	...	...	...
238	To declare joint ownership of a drain	1	4	2	14	16
244	To affix shafts or pipes or ventilation of drains, &c. ...	4	16	4	17	15
248	To provide water-closets, privies or urinals	3	...	...	...	...
251	To provide water-closets in accordance with the provisions of the Municipal Act	...	...	...	...	...
257	To renew, repair, &c., drainage of houses	1,268	1,390	584	337	1,344
257&260	To execute, repair, &c., to drain cesspool, &c., through the Municipal Agency	1	...	527	...	...
358	To execute works in good workmanlike manner and to use suitable materials, &c	...	...	...	...	...
258	To prohibit contraventions generally of the provisions of the Chapter IX of Municipal Act	7	9	5	5	3
358	To prohibit the use of any bad material, appliance or fitting by Licensed Plumbers	...	8	7	51	41
375	Cleaning and lime-washing of any building	...	...	...	...	...
381	To cleanse, full drain, &c., pools, ditches, ponds, wells, quarry holes, &c....	...	...	...	...	...
		2,378	2,829	3,035	4,003	4,490
	Water Branch.					
278 (2)	To repair and stop leakage of water from taps, service pipes, &c.	7,111	5,932	5,672	4,975	4,452
...	For transferring connections from one main to another ...	2	4	1	90	...
279	To fix meters to service pipes	199	221	323	277	227
284, 285 & 171	To stop wastage of water from taps, &c.	57	21	48	33	4
	Total ...	7,369	6,178	6,044	5,285	4,683

Notices, &c.—*continued.*

Section.	Description.	1898-99.	1899-00.	1900-01.	1901-02.	1902-03.
	House Improvement Branch.					
380	Removing or altering insanitary huts or sheds	45	55	32	87	83
426	Demolishing insanitary structures to prevent the spread of infectious diseases.	203	113	16	.....	39
,,	Notices issued intimating to the owners improvements necessary in the houses.	2,086	2,819	1,769	927	321
I	Notices issued under Epidemic Diseases Act	1,039	629	250	441	307
II	Notices issued under Government Notification No. 228 P of 10th February 1897, for the removal of overcrowding.	113	119	35	201	268
IV & VII	Notices issued under Government Notification No. 228 P of 10th February 1897, for breaking open the houses.	4	6	3	11	.....
IX	Notices issued under Epidemic Diseases Act	87	45	20	29	10
,,	Notices issued under Government Notification No. 2675-3027 P of 10th May 1898 for improving the means of ventilation.	401	287	4	29	.....
	Total ...	3,978	4,073	2,129	1,724	1,028
	Summary.					
	Street and Building Branch	3,622	5,491	5,738	3,049	3,665
	Drainage Branch	2,378	2,829	3,035	4,003	4,490
	Water Branch	7,369	6,178	6,044	5,285	4,683
	House Improvement Branch	3,978	4,073	2,129	1,724	1,028
	Total ...	17,347	18,571	16,946	14,061	13,866

LETTERS, &c., RECEIVED AND DESPATCHED.

299. Comparative statement of the number of letters, references to Inspectors, &c., received and despatched during the five years from 1898-99 to 1902-1903 :—

Departments.		1898-99.	1899-00.	1900-01.	1901-02.	1902-03.
General and Street and Building Branches	Inward	81,706	89,214	91,225	81,884	90,310
	Outward	71,349	102,599	97,484	83,108	95,129
Drainage, Ordinary Branch ...	Inward	41,979	45,071	34,469	44,459	49,968
	Outward	30,393	43,928	33,568	45,162	50,638
Drainage, Special Branch ...	Inward	...	...	7,652	9,210	5,799
	Outward	...	...	6,450	7,421	4,389
Water Branch	Inward	12,982	14,291	23,768	27,355	29,778
	Outward	13,396	15,733	25,036	26,714	29,162
	Total ...	251,805	310,836	319,652	324,813	355,573

SUMMARY OF CLERICAL WORK DONE BY THE DIFFERENT BRANCHES.

300. The following is a Summary of clerical work done by the different branches of the Department during the year :—

Consecutive No.	Description of work.	General and Street and Building Branches.	Workshops.	Drainage, Ordinary.	Drainage, Special.	Water Works.	Total.
1	Letters, &c., received, including replies to references to Inspectors, &c.	88,095	2,115	49,968	5,799	29,778	175,755
2	Letters, &c., despatched, including references to Inspectors for report	91,198	3,931	50,638	4,889	29,162	179,818
3	Notices issued	4,839	...	4,490	11	4,679	14,019
4	Summonses issued	418	...	1,342	...	...	1,760
5	Contracts for annual and other supplies and for the construction of various works executed	37	...	10	5	10	62
6	Leases of various rights sold	13	...	10	...	19	42
7	Vouchers received and passed	4,495	468	8,756	1,095	1,826	16,640
8	References made to Inspectors, &c., for certificates on vouchers	2,546	...	4,780	...	1,523	8,849
9	Reports and certificates received from the Inspectors, &c.	2,546	...	4,780	...	1,523	8,849
10	Departmental and Private works bills prepared or received, checked and passed	3,037	726	1,672	...	1,935	7,370
11	Statements of works done for Municipal Departments, checked and passed	144	...	...	...	12	156
12	Statements of works done for private parties, checked and passed	122	...	...	...	...	122
13	Workshops' Balance Sheets prepared and forwarded	...	12	...	...	...	12
14	Statements of recovery of bills against private parties received	93	...	...	...	...	93
15	Requisitions prepared or received and forwarded	1,078	95	1,806	72	288	3,339
16	Measurement slips for metal, sand, rubble, &c., received and checked	307	...	...	...	...	307
17	Statements showing the receipts, issues and balances of stores received and checked	144	1,600	...	...	...	1,744
18	Morning and materials reports, diaries, &c., prepared or received and checked	13,140	...	...	...	...	13,140
19	Muster-rolls received and checked	900	72	240	12	204	1,428
20	Statements of wages remaining unclaimed, received and checked	144	12	150	24	13	343
21	Unclaimed wages refund prepared or received and passed	885	32	30	8	49	1,004
22	Work abstracts for road repairs and maintenance received and checked	144	...	...	...	...	144
23	Work abstracts for road watering received and checked	108	...	...	...	...	108
24	Statements of expenditure on each road received and checked	...	...	...	...	...	...
25	Quarterly estimates for road repairs and road watering received and passed	...	...	...	...	...	...
26	Permits issued for projecting verandahs, balconies, rewas, weather-frames, &c.	17	...	...	...	...	17
27	Permits issued for erection of scaffolding on public roads.	402	...	...	...	...	402
28	Permits issued for opening roads	2,125	...	...	...	...	2,125
29	Permits issued for temporary occupation of public streets on marriage and other ceremonies	653	...	...	...	...	653
30	Advice-notes for sale of tender forms, rights of cutting grass, &c., hire of steam-rollers, carts, &c., ground rent, sale of building forms under Sections 337 and 342, supplying copies of office records, sale of applications for water connections, fees for testing water pipes, meter fittings, hire of meters, &c., prepared and forwarded to the Chief Accountant	3,793	...	580	24	1,982	6,379
31	Licenses issued to Plumbers	107	...	...	...	...	107
32	Licenses issued to Surveyors	38	...	...	...	...	38
33	Slips for road openings received	2,082	...	...	...	...	2,082
34	Authorities issued to plumbers for opening roads under tram lines	65	...	...	...	...	65
35	Adding ground orders issued	57	...	...	...	...	57
36	Permits for building or rebuilding houses granted either conditionally or unconditionally	2,480	...	...	...	...	2,480
37	Claims for compensation for land, &c., taken up for street improvement, passed	122	...	...	...	...	122
38	Gate passes issued	...	212	...	...	6,152	6,364
39	Receipts for articles sent from Workshops, prepared and forwarded	...	1,200	...	...	...	1,200

MUNICIPAL SERVANTS' ACT.

301. No circumstance has arisen in this Department during the year under report to necessitate the putting of the Municipal Servants' Act into operation.

I have the honor to be,
Sir,
Your most obedient Servant,

M. C. MURZBAN, F.R.I.B.A., M.INST.C.E.,
Executive Engineer, Municipality.

K.—FIRE BRIGADE.

1. The establishment has been upheld in a state of efficiency during the year, and all appliances are in good condition and thorough working order.

2. Mr. W. Nicholls, Chief Officer of the Fire Brigade, was allowed 10 months' furlough from the 19th April 1902, and Mr. W. J. Beane acted for him during his absence.

3. Mr. W. Nicholls was allowed to resume duty from the 23rd of January 1903, the remaining portion of his leave, 27 days, being cancelled.

4. None of the members of the Brigade received injuries at fires in the execution of their duties. Twenty-seven members resigned or otherwise left the Service.

5. Two persons named Raoji Baba and Namia Dawoo were burnt to death at a fire at Suparibaugh Road on the 12th of November 1902. A boy named Ameerchand Dharmsi and a girl named Gopibai were burnt to death, and a man named Jamnadas Valabhadas died from injuries received by jumping from a 2nd floor at a fire which occurred at Narayan Dhuru Street on the 17th of December 1902, no blame being attached to the Brigade in either case.

6. The water-supply at fires has been satisfactory, and the attendance of the Water Work Staff has been prompt and of assistance to the Brigade except at Jakeria Bunder on the 3rd March, and Ardeshir Dady Street on the 30th March 1903, when the supply was insufficient for a considerable time.

7. The inspection of fire hydrants throughout the City has been carried out by the Brigade.

8. The fire service at the Municipal Offices and Markets has been maintained in good working order, and the whole of the hose, 66 lengths in number, has been exchanged for new from Fire Brigade Stock in the month of January 1903. The employés have also been periodically drilled in the use of the Fire Appliances.

9. Four new horses were purchased in place of three which died and one which was sold by public auction.

10. An order for 4,200 feet of Delivery Hose and other appliances was satisfactorily executed by Messrs. Turner, Hoare & Co.

11. Provision has been made in the ensuing year's Budget for a supply of 100 lengths of Delivery Hose for fire purposes in place of 60 lengths condemned and sold by public auction in the year 1901-1902, and 40 lengths condemned in 1902-1903.

12. The present strength and equipment of the brigade is as follows:—

Strength.

1 Chief Officer.	8 Engineers.	8 Drivers.
2 Clerks.	13 First Class Tindals.	8 Grooms.
1 Head Foreman.	6 Second Class Tindals.	
5 Foremen.	115 Men of Grades.	

Making a total of 167 including all ranks.

Equipment.

8 Steam Fire Engines.	7 Tender Carts.	1 Van.
8 Manuals.	6 Telescopic Ladders.	16 Horses.
16 Hose Reels.	1 Brake.	

Three hundred and fifty-eight lengths of Delivery Hose aggregating 21,480 feet and other necessary Fire Extinguishing Appliances.

The distribution of engines, &c., is as under:—

No.	Stations. Names.	Engines. Steamers.	Engines. Manuals	Hose Reels.	Tender Carts.	Fire Escapes.	Brakes.	Van.	Horses.	Delivery Hose.	Foremen.	Engineers.	First Class Tindals.	Second Class Tindals.	Firemen of Grades.	Drivers.	Grooms.	Remarks.
1	Byculla ...	3	2	3	1	1	1	1	6	87	1	3	2	1	24	3	3	
2	Gowalia Tank ...	1	...	2	1	1	...	...	2	34	1	1	1	1	11	1	1	
3	Chinchpokli ...	1	...	1	1	1	...	...	2	34	1	1	1	1	11	1	1	
4	Babula Tank ...	1	...	2	1	1	...	...	2	34	1	1	1	1	11	1	1	
5	Fort	1	...	1	1	1	...	...	2	34	1	1	1	1	11	1	1	
6	Colaba	1	...	1	1	1	...	...	2	34	1	1	1	1	11	1	1	
7	Malabar Hill ...	...	1	1	...	...	...	...	...	24	...	...	1	...	6	...	...	
8	Dadisle Road ...	...	1	1	...	...	...	...	...	14	...	...	1	...	6	...	...	
9	Mahim	...	1	1	...	...	...	...	...	14	...	...	1	...	6	...	...	
10	Dadar	...	1	1	...	...	...	...	...	14	...	...	1	...	6	...	...	
11	Mazagon ...	...	1	1	...	...	...	...	...	14	...	...	1	...	6	...	...	
12	Bhuleshwar ...	...	1	1	1	...	...	...	...	21	...	...	1	...	6	...	...	
	Total	8	8	16	7	6	1	1	16	358	6	8	13	6	115	8	8	

13. The number of calls to fires or supposed fires has been 87, of this number 11 were reported by the Police, but did not require the attendance of the Brigade. The remaining 76 involved the turning out of engines and men, and resulted in seven False Alarms and 69 Fires, 46 of which were extinguished by the Brigade appliances and 23 before the arrival of the Brigade.

14. The estimated damage to property has amounted to Rs. 6,17,834 showing a decrease of Rs. 5,41,399 as compared with the preceding year.

15. The amount of damages to property at the 46 fires extinguished by Brigade appliances is estimated at Rs. 6,00,583, whilst the property in imminent risk of becoming involved at these fires has been rated at Rs. 30,56,805.

17. The estimated damage to insured properties has been Rs. 3,34,062, whilst that to uninsured properties has been Rs. 2,83,772.

18. The estimated quantity of water used for extinguishing fires has been 1,214,880 gallons or about 5,423 tons; of this quantity 1,210,080 gallons were taken from the street mains and 4,800 gallons from tanks.

19. The fires of 1902-03 show an increase of 18 fires as compared with 1901-02, and with the average of the past ten years a decrease of 28 fires.

Table No. 1.

List of Causes of Fires for the Year 1902-1903 :—

CAUSES.	April, 02.	May.	June.	July.	August.	September.	October.	November.	December.	January, 03.	February.	March.	Total.
Acid	...	...	...	...	...	...	...	...	...	1	...	...	1
Careless use of fire ...	...	...	...	...	...	...	...	2	...	...	1	...	3
Do. do. do. place.	1	1	...	...	1	...	...	...	2	1	2	1	9
Do. do. oil lamp.	1	...	1	...	1	...	1	...	...	...	...	1	5
Do. do. kerosine do.	...	...	...	...	...	...	1	...	3	...	...	...	4
Do. do. matches.....	1	...	...	...	...	...	...	...	...	...	...	...	1
Do. smoking	...	...	...	...	...	...	...	...	1	1	1	...	3
Chimney on fire.	...	...	...	...	...	...	...	...	...	1	...	...	1
Children playing with matches	1	...	...	...	...	...	...	...	...	...	...	...	1
Doubtful	...	...	...	...	...	...	...	...	...	...	...	1	1
Friction	1	...	...	...	...	...	...	1	...	...	...	...	2
Ghee boiling over	...	...	...	...	...	...	...	...	...	...	1	...	1
Kerosine oil lamp upset....	...	...	...	1	...	...	4	...	...	1	...	...	6
Do. exploding ...	...	1	...	1	2	...	...	2	...	...	...	...	6
Light thrown down ...	...	2	1	1	...	...	...	...	1	1	4	...	10
Oil lamp	...	...	...	...	...	...	...	...	...	...	1	1	2
Oil lamp upset	...	1	1	...	...	1	...	...	...	...	1	...	4
Overheating of furnace ...	...	...	...	1	...	...	...	...	...	...	...	...	1
Overboiling of varnish ...	...	...	...	...	...	...	...	...	...	...	1	...	1
Do. oil	...	1	...	...	...	...	...	...	...	...	...	...	1
Spark from chimney ...	...	...	...	...	...	...	...	...	...	...	1	...	1
Spontaneous combustion...	...	1	1	...	...	...	...	...	...	...	...	...	2
Stone in machinery. ...	...	...	...	...	...	...	...	1	...	1	...	...	2
Unknown	1	3	...	...	2	...	...	2	...	1	2	1	12
Total ...	6	10	4	4	6	1	6	8	7	8	15	5	80

Table No. 2.

Monthly Summary of Fires and Annual Losses for the period from 1893-94 to 1902-1903 :—

Year.	April 02.	May.	June.	July.	August.	September.	October.	November.	December.	January 03.	February.	March.	Total Fires.	Estimated Loss. Rs. a. p.
1893-94 ...	14	8	9	3	3	2	14	15	11	13	16	12	120	6,77,128 0 0
1894-95 ...	7	12	7	3	8	4	3	6	10	16	12	9	97	2,25,445 0 0
1895-96 ...	15	10	11	9	2	3	9	12	24	13	9	13	130	20,41,571 0 0
1896-97 ...	12	26	8	3	7	8	12	16	8	7	6	9	122	18,75,662 0 0
1897-98 ...	7	12	6	8	4	7	13	18	14	19	9	19	136	19,98,464 0 0
1898-99 ...	9	16	7	3	6	9	7	7	8	23	13	7	115	23,61,915 0 0
1899-00, ...	9	10	4	7	7	4	5	7	12	13	9	4	91	4,11,699 0 0
1900-01 ...	6	6	4	3	...	7	5	13	12	5	9	6	76	1,99,955 0 0
1901-02 ...	7	8	4	...	1	5	7	7	7	6	4	6	62	11,59,233 0 0
1902-03 ...	6	10	4	4	6	1	6	8	7	8	15	5	80	6,17,834 0 0

Table No. 3.

List of Fires where Property to the extent of Rs. 2,000 and upwards was destroyed during the year 1902-1903 :—

Date.	Locality.	Nature of Property	Damage.
1902.			Rs.
April 23rd ...	Suparibagh Road	Jam Mill (Cotton & Machinery) ...	25,000
July 2nd ...	Nesbit Road	Corrugated Iron Shed	3,000
November 11th ...	Gunpowder Bunder	Do. do.	2,200
,, 12th ...	Suparibagh Road	Jacob Sassoon Mill (Loose Cotton) ..	15,000
,, 25th ...	Fergusson Road	Jamsettjee Mfg. Co. (Cotton Bales).	70,200
December 3rd ...	Jail Road	Building	3,519
,, 17th ...	Narayan Dhuroo Street	Do.	2,12,000
1903.			
January 10th ...	Belassis Road	Building	25,000
February 10th ...	Curry Road	Corrugated Iron Shed	3,200
,, 23rd ...	Prince's Dock	Do. do.	54,800
March 3rd ...	Jakeria Bunder	Sailing Vessel	3,500
,, 6th ...	Frere Bunder	Hay	1,55,000
,, 30th ...	Ardeshir Dady Street	Building	31,240

L.—PUBLIC GARDENS.

REPORT OF THE SUPERINTENDENT OF THE MUNICIPAL GARDENS, RECEIVED UNDER HIS No. 376, DATED 13TH MAY 1903.

1. The following gardens were maintained during the year under report :—

(*a*) Victoria Gardens.
(*b*) Elphinstone Circle Garden.
(*c*) Northbrook Garden.
(*d*) Malabar Hill Garden.
(*e*) Bazar Gate Garden.
(*f*) Falkland Road Garden.
(*g*) Dick's Tank Garden.
(*h*) Municipal Office Garden.
(*i*) Sir Cowasji Jehangir Garden at Mahim.

2. The total number of visitors to the Victoria Gardens during the year under report was 1,786,764, being an excess of more than four lakhs and sixteen thousand over the previous year. This large increase in the number of visitors is attributable partly to the improvement in the zoological collection by the addition of new cages and specimens, and partly to the gradually increasing popularity of the gardens as a public resort for recreation and enjoyment.

3. The metalling and repairing of roads was continued as usual, and a further bit of the road in front of the Museum was remetalled and consolidated by steam rolling through the Executive Engineer's Department. Several "kacha" roads were laid out around the new monkey house completed during the year, and in two or three places new roads were cut out through lawns and shrubberies to lead to cages and enclosures by shorter cuts, and to open them out to the view of visitors. As the area of roads in the gardens is thus increasing rapidly year by year, the grant for metalling them and keeping them under repairs will shortly have to be increased to meet the requirements.

4. The work of laying new water pipes was continued during the year under report. A large part of the grant was utilized in laying a new 3″ main to increase the pressure in the pipes at the eastern boundary of the gardens which was found to be urgently necessary, and a further extension will have to be made to complete the work. The main in the new portion of the ground was also extended to about 100 feet and smaller branches laid thereon.

5. The repairs and construction of drains for carrying storm-water across roads, &c., was continued during the year under report.

6. It has been hitherto found impossible to keep the water in the aquatic ponds in the gardens clean and free from the scum formed by the constant growth of algæ, &c., especially as no arrangement existed to empty them entirely of water and thoroughly clean them. This difficulty has this year been obviated by the Commissioner having kindly ordered a sluice being constructed at the lower end of the ponds through which the water could be drained off into the main sewage drain on the Parel Road. It now only remains to scrape up the bottom of the ponds and level it up so as to remove the obstructions to the flow of water through the entire length of the ponds right to the bottom. When that is done it would be possible to empty and thoroughly clean the ponds of decaying organic matter, &c., twice or thrice during the year and refill them with fresh water, which it is hoped would to a great extent prevent the water appearing dirty as it does now.

7. The work of replanting and renewing old shrubberies and lawns, and the re-arrangement of beds was continued throughout the year under report. Trees and shrubs newly introduced into gardens were also planted out in different situations, and more of the waste land near the new monkey house was brought under cultivation.

8. Six hundred and thirty-five plants were supplied to the Executive Engineer's Department for roadside plantation. As a large number of trees are now required every year for roadside planting, especially along new roads opened up in the city, a small separate nursery has been maintained specially for this purpose.

9. The provision of a small grant in the budget for travelling allowance enabled the Superintendent to pay a visit to the gardens at Nagpur and Calcutta, which resulted in a large collection of new plants by exchange with the Government Gardens at Nagpur, and especially the Botanical Gardens at Calcutta, and by purchase from other gardens. There can be no doubt of such periodical visits to the different gardens resulting in permanent advantage and usefulness to the gardens, by the exchange or purchase of new and rare plants, and the personal interchange of views with the Superintendents of other gardens. A list of new plants, added to the collection during the year under report, is appended to this report.

10. The liberality of the Corporation in sanctioning the grant for the improvement of the zoo and the interest and zeal displayed by the Municipal Commissioner and Mr. T. W. Cuffe, one of the prominent members of the Corporation, has enabled further progress being made in the contemplated improvement of the zoological portion of the gardens.

11. The balance of the last year's grant for the improvement of the zoo, as well as the whole of the grant for the current year, were utilized in constructing a large monkey house with a covered central passage for visitors and four commodious cages on each side, for eight different kinds of monkeys, somewhat after the style of the monkey house at the Calcutta Botanical Gardens. This new house, which is well protected from the inclemencies of the weather, would, it is hoped, prove suitable for monkeys like the orang, gibbons, &c.

12. A small wire-net enclosure was also put up for guinea pigs, rabbits, &c.

13. The trees planted for shade in the new deer enclosures were this year provided with strong tree-guards specially made for the purpose, so that there is no likelihood now of their being injured or killed by the animals.

14. The doors of the cages of the larger carnivora, such as tigers and panthers, have now been fitted with a self-closing arrangement so as to prevent the possibility of any of them escaping through carelessness on the part of the keepers in closing the gates after cleaning the cages.

15. Some interesting animals were again added to the Zoological Collection, such as the orang, grey gibbon, kangaroos, wallaby, uryal, &c., and another large representative collection of aquatic birds from Jeypore.

16. A list of animals presented to the gardens, born in the gardens, and added by exchange and purchase, as well as the important casualties during the year under report is given in Appendix B attached hereto.

17. I take this opportunity of acknowledging with best thanks the valuable assistance received from the Agents of the B. B. & C. I. Railway and the G. I. P. Railway in promptly granting free passes whenever required for animals and their attendants for bringing animals from stations on the railways under their control. Our best thanks are also due to the Agent of the British India Steam Navigation Company for kindly carrying a pair of wolves and a lynx sent from here to the Melbourne Zoo in exchange for kangaroos in one of their steamers free of charge. Without such kind and valuable assistance from the above Companies it would not have been possible to add so many animals to the collection.

18. Rides on the elephant are still much patronised by all classes of the public ; 6,673 adults and 4,671 children having taken advantage of it during the year under report.

19. All the other gardens were maintained in good condition as usual. The work of renewing old shrubberies was continued in the Elphinstone Circle and Bazar Gate gardens. The Northbrook Garden continues to be occupied with health camps for plague purposes.

20. It is gratifying to note that the receipts from the sale of plants and flowers in the year under report are the largest realized up to now since I took over charge of the gardens in 1892-93. They were Rs. 5,342 in 1892-93, and gradually rose to Rs. 7,259 in 1895-96. The advent of plague in 1897, however, brought on a fall in the receipts which gradually declined to Rs. 4,580 in 1898-99. But since then they have again gradually increased, till now they are Rs. 10,356. A limit has now been reached beyond which it is not possible to go further until the nursery for the propagation and sale of plants and flowers is strengthened by an increase in the staff, houses and other appliances.

21. The budgetted and actual expenses on the different gardens are shown in the table below:—

	Names of Gardens.	Total amount sanctioned.			Expenditure.		
		Rs.	a.	p.	Rs.	a.	p.
(*a*)	Victoria Gardens	65,579	6	9	51,684	9	1
(*b*)	Elphinstone Circle Garden	1,360	0	0	1,139	14	5
(*c*)	Falkland Road Garden	320	0	0	205	7	7
(*d*)	Northbrook Garden	1,226	0	0	1,070	0	6
(*e*)	Sir Cowasjee Jehangir Garden	428	0	0	385	6	8
(*f*)	Bazaar Gate Garden	652	0	0	506	8	2
(*g*)	Dick's Tank Garden	370	0	0	303	10	10
(*h*)	Malabar Hill Garden	630	0	0	522	12	4
	Total ... Rs.	70,565	6	9	55,818	2	7

APPENDIX A.

List of plants introduced in 1902-1903.

Acacia dealbata	Received in exchange from the Director, Botanical Garden, Berlin.
„ heterophylla	„ „ „ „
„ pygnanta	„ „ „ „
Acalypha Godferiana	Purchased.
„ Hamiltoniana	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Adiantum Luddemannianum	„ „ „ Supdt., Empress Gardens, Poona.
Aganosma caryophyllata	„ „ „ Supdt., Royal Botanic Garden, Calcutta.
Agave densiflora	„ „ „ „
„ Franzosini	„ „ „ „
„ lurida	„ „ „ „
„ mitis	„ „ „ „
„ striata	„ „ „ „
Aglaeonema Mortfontanensis	Purchased.
Ailanthus grandis	Presented by the Supdt., Royal Botanic Garden, Calcutta.
Albizzia Richardiana	Received in exchange from „ „
„ stipulata	„ „ „ „
Alocasia Regina	Purchased.
Amphilophium Mutisii	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Anona discolor	„ „ „ „
„ lævigata	„ „ „ „
Anthurium Veitchii	Purchased.
„ Walniewi	„
Argyreia Wallichii	Presented by the Supdt., Royal Botanic Garden, Calcutta.
Aristolochia saccata	Received in exchange from „ „
Arundinaria Hookeriana	Presented by the Conservator of Forests, Bengal.
Asplenium crested	Purchased.
Attalia cohune	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Bactris major	„ „ „ „
Bombusa spinosa	Presented by the Supdt., Royal Botanic Garden, Calcutta.
Begonia castanæfolia	„ Mr. H. V. Kemball.
„ goegoensis	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
„ Mrs. Larmour	Purchased.
„ Smarandiana	„
„ sp. (Bangalore)	„
„ „ Chatterjee No. 1	„
„ „ „ No. 2	„
„ „ „ No. 3	„
„ „ „ No. 4	„
„ „ „ No. 5	„
„ „ „ No. 6	„
Berberis Fortunei	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Bertolonia vittata	Purchased.
Bignonia megapetamica	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
„ unguis	„ „ „ „
Brownea grandiceps	„ „ „ „
„ hybrida	„ „ „ „
Bursera serrata	Purchased.
Butea superba	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Calamus fasciculatus	„ „ „ „
Camellia japonica	Purchased.
Cassia javanica	„
„ nodosa	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Cedrela odorata	„ „ „ „
Chloroxylon swietenia	„ „ „ „
Chondrospermum smilacifolium	„ „ „ „
Chrysabalanus Icaco	„ „ „ „
Cinnamomum iners	Purchased.
Cissampelos Pereira	„
Cledamia vittata	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Clusia flava	„ „ „ „
Clusia rosea	„ „ „ „
Cocos flexuosa	„ „ „ „
Coffea bengalensis	„ „ „ „
„ stenophylla	„ „ „ „
Congea tomentosa	„ „ „ „
Cooperia Drummondii	Purchased.
Corypha alata	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
„ Gebanga	„ „ „ „
„ umbraculifera	„ „ „ „
Cyanophyllum magnificum	Purchased.
Cycas Rumphii	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Cyclanthes cristatus	„ „ „ „
Cynometra polyandra	„ „ „ „

Cyrtodeira metalica	Purchased.
Dalechampia Roezliana	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Delima sarmentosa	" " " "
Derris robusta	" " " "
Dieffenbachia carderi	Purchased.
Diplothemium litorale	"
Dipterocarpus elata	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Dombeya Burgessia	Purchased.
" spectabilis	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Durio zibethinus (seeds)	Presented by Mr. Sukkur from Singapore, through Mr. N. D. Mahaluxmivalla.
Drymophlæus Rumphii	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Encephalartos villosus	" " " "
Epiphyllum violaceum	" " " Supdt., Empress Gardens, Poona.
Eranthemum eldorada	" " " Supdt., Royal Botanic Garden, Calcutta.
Erythroxylon obovatum	" " " "
Euphorbia caput Medusæ	Presented by the Curator, Public Gardens, Cape Town.
" marginata	Brought by the Superintendent from Mahableshwar.
Evodia elegans	Purchased.
" trifoliata	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Faradaya splendida	Purchased.
Ficus elastica variegata	"
Fragræa zeylanica	"
Gardenia devoniana	"
" Fortunei	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Gliricidia maculatum	" " " "
Goldfussia colorata	" " " "
" isophylla	" " " "
Hemerocallis flava flore pleno	Purchased.
" kewanso	"
Heritiera litoralis	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Hexacentris coccinea	Purchased.
Hippocratea indica	Presented by the Supdt., Royal Botanic Garden, Calcutta.
Homalomena picturata	Purchased.
Hopea odorata	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Hoya globosa	Purchased.
Ilex Dahoon	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Iris iberica	Purchased.
Ixora amboensis	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
" Lobbii	Purchased.
" macrothyrsa	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
" superba	Purchased.
" venusta	"
Jacquinia armillaris	"
Jatropa integerrima	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Kaempferia atrovirens	Purchased.
" Parishii	"
Kydia calycina	Received in exchange from the Supdt., Govt., Horti. Garden, Nagpur.
Magnolia grandiflora	" " " Empress Gardens, Poona.
" pterocarpa	" " " Supdt., Royal Botanic Garden, Calcutta.
Malpighia punicifolia	" " " "
Maranta Makoyana	Purchased.
Melodinus monogynus	"
Michelia champaca alba	"
Miconia Hookeriana	"
Milletia ovalifolia	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Mochosma riparia	" " " "
Monochætum lineatum	" " " "
Monodora grandiflora	" " " "
Nerium Professor Durand	Purchased.
Nephelium longana	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Ochrocarpus longifolia	" " " "
Oncoba spinosa	" " " "
Ormocarpum glabrum	" " " "
Pachira cyathaphora	" " " "
" insignis	" " " "
Pancratium caribium	" " " "
Parsonsia corymbosa	" " " "
Passiflora Constance Elliott	Purchased.
" Decaisneana	"
" middletoniana	"
" vitifolia	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
" Watsonii	" " " "
Peliosanthes Teta	" " " "
	" " " "

Philodendron Lindeni	Purchased.
„ rubrum	„
„ sagitifolium	„
Philageria sp.	„
Phyllarthron Bojeriana	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
„ comorense	„ „ Director, Botanical Garden, Berlin.
Pinus halepensis	Purchased.
Piper kansterlii	Presented by the Supdt., Royal Botanic Garden, Calcutta.
Piscidia erythrina	Purchased.
Polyscias paniculata	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Psidium cattleyanum	„ „ „ „
Psilotum triquetrum	„ „ „ „
Ptychoraphis Singaporensis	Purchased.
Pteris Victoria	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Reinwardtia tetragynum	Purchased.
Rhyncospermum jasminoides variegatum	„
„ repens	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Rosa involucrata	Purchased.
Rose climbing Coquette de Blanches	„
„ comtesse de Serenyi	„
„ Etoile de Lyon	„
„ Grace Darling	„
„ Madame Ferdinand de la Forest	„
„ Mde. Marie Cointet	„
„ Marie Guillot	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Sambucus alternata	„ „ „ „
„ canadensis	„ „ „ „
Sanchezia longifolia	„ „ „ „
Sanseviera Kirkii	„ „ „ „
„ macrophylla	„ „ „ „
Saxifraga sarmentosa	Presented by the Curator, Public Gardens, Cape Town.
Schotia brachypetala	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Scutellaria Andamensis	„ „ „ „
„ discolor	Purchased.
Sedum telephium purpurescens	„
Selaginella Emilæ	„
„ gracilis	„
„ grandis	„
Selaginella paradoxus	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Smilax sarsaparilla	Purchased.
Solandra magnifica grandiflora	„
Solanum jasminoides argenteo—variegatum	„
„ „ aureo— „	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Spathelia simplex	Purchased.
Spironema fragrans	Presented by the Director, Botanic Garden, Brisbane.
Spondias pleogyna	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Stenandrum Lindeni	„ „ „ „
Sterculia colorata	„ „ „ „
„ elata	„ „ „ „
„ ornata	„ „ „ „
„ villosa	Purchased.
Stigmaphyllon ciliatum	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
„ periplocifolium	Purchased.
Strawberry, finest large fruited	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Strobilanthus glandulosa	„ „ „ „
Strophanthus caudatus	„ „ „ „
„ dichotomus	„ „ „ „
Swietenia humilis	„ „ „ Supdt., Government Gardens, Nagpur.
Tabernæmontana Wallichii	„ „ „ Supdt., Royal Botanic Garden, Calcutta.
Talauma candollii	„ „ „ „
Tanæcium jaroba	Purchased.
Tecoma Guilfoylei	Received in exchange from the Supdt., Royal Botanic Garden, Calcutta.
Terminalia violata	„ „ „ „
Tetranemia mexicana	„ „ „ „
Theophrasta latifolia	„ „ „ „
Thrinax barbadensis	Purchased.
Tillandsia sp.	„
Tradescantia apcarensis	„
Tradescantia Reginæ	„
„ sp. (Java)	„
Travesia eminens	Received in exchange from the Supdt., Empress Gardens, Poona.
Turnera trioniflora	„ „ „ Supdt., Royal Botanic Garden, Calcutta.
Wormia Burbidgei	„ „ „ „
Xylosma longifolia	Purchased.
Xanthosoma Lindeni	

APPENDIX B.

List of Increase and Decrease of Animals in the Victoria Gardens during 1902-1903.

A.—The following were added to the collection during the year under report :—

By Presentation—

1 Sloth Bear	By Mr. R. D. Choksi.
2 Crested Hawk-eagles	„ „ C. H. Donald.
2 Himalayan Black-bears	„ „
2 Uryals	„ Capt. P. N. Cox, I.S.C.
6 Indian Antelopes, one each	„ Messrs. M. H. Nicholson, D. N. S. Ccoper, Alfred Dias, Trustees of the Pinjrapole, H.H. the Aga Khan, and Mr. Buswell.
1 Nilgai	„ Col. Birdwood.
1 Indian Wild-boar	„ Mr. C. Merrony.
2 Sarus Cranes	„ „ „
1 Uryal	„ „ M. O. Lindsay.
2 Peafowls	„ „ L. P. DeRozerio.
1 Malbrouck Monkey	„ „ R. Lafrenais.
2 Gazelles, one each	„ Capt Lamb, I.M.S., and the Trustees of the Pinjrapole.
1 Sloth Bear	„ Mr. A. C. Logan, I.C.S.
1 Lead Beater's Cockatoo	„ Miss Mull.
2 Four-horned Antelopes, one each	„ Mr. Fraser and the Trustees of the Pinjrapole.
2 Arabian Gazelles, one each	„ Messrs. G. Elton and J. McLean.
2 Leopard cubs	„ Capt. D. O. Morris.
1 Panther	„ Mr. Adamjee Peerbhoy.
1 Indian Gazelle	„ Major F. L. Childe.
1 Indian Ant-eater	„ The Bombay Natural History Society.
1 Water-rail	„ „ „
1 Thick-tailed Galago	„ Mr. J. Penny.
4 Seagulls	„ „ K. M. Sett.
1 Chestnut Bittern	„ „ A. Murray.
5 Wild Ducks	„ „ Hudson.
4 Jungle Bush Quails	„ „ E. W. Harper.
4 Black-bellied Sand Grouse	„ „ „
4 Painted Partridges	„ „ „
1 Pair Peafowls	„ „ G. S. Mukudum.
1 Silver Gibbon	„ Miss E. M. Barton.
1 Black-striped Wallaby	„ Mr. R. G. Baldock.
2 White Peahens	„ „ J. N. Tata.
1 Indian Gazelle	„ „ Framji D. Appoo.

By Exchange—

2 Great Kangaroos	„ the Supdt., Melbourne Zoological Gardens.
2 Wallabies	„ „ „

Born in the Gardens—

1 Indian Crested Porcupine
1 Spotted Deer.
1 Indian Antelope.
2 Four-horned Antelope.

By Purchase—

Seven Mandarin ducks ; Collection of 132 birds, including herons, storks, cranes, ibises, flamingos, ducks and teels, &c., from Jeypore ; 1 Monaul pheasant ; 2 Orang-outangs ; 2 Lynx ; 4 Chinese pheasants ; 1 Red and blue macaw ; 1 Blue and yellow macaw ; 1 pair Silver pheasants ; 2 Nicobar pigeons ; 4 Malayan bears ; 1 Bintu rong ; 3 Himalayan bears ; 2 Syke's monkeys ; 2 Langur monkeys ; 1 Natuna Langur ; 1 Leopard cat ; 1 Crab-eating monkey ; 4 Chukor partridges ; 6 Pin-tailed grouse ; 1 Thick-tailed galago ; 2 Malayan civet cats ; 4 Bar-headed geese ; 4 Gold finches ; 1 Sambur deer ; 1 Hog deer ; 2 Hoolook gibbons.

B.—The following were among those that died during the year under report :—

Two Hiraman parrots ; 1 Monaul pheasant ; 2 Crested hawk-eagles ; 3 Uryals ; 1 Orang-outang ; 3 Nilgai ; 1 Lynx ; 3 Chinese pheasants ; 2 Himalayan bears ; 4 Malayan bears ; 2 Four-horned antelopes ; 1 Syke's monkey ; 1 Ant-eater ; 3 Arabian gazelles ; 4 Indian antelopes ; 3 Marmosets ; 1 Rib-faced deer ; 2 Silver pheasants ; 1 Ostrich (male) ; 2 Sloth bears ; 1 Indian wolf ; 1 Spoonbill ; 1 Flamingo ; 1 Vulpine phalanger ; 1 Spotted deer ; 2 Hoolook gibbons ; 2 Wallabies.

M.—THE VICTORIA & ALBERT MUSEUM.

REPORT OF THE ACTING SECRETARY AND CURATOR, VICTORIA AND ALBERT MUSEUM, RECEIVED UNDER HIS No. 135, DATED 15TH MAY 1903.

1. During the year under review the Museum was open to the public for 313 days, and the total number of visitors was 815,936, showing a daily average attendance of a little over 2,606. During the past year the Museum was open to the public for 313 days, and the total number of visitors was 668,700, showing a daily average attendance of a little over 2,136. The increase during the year under report amounted to 147,236 against the decrease of 155,589 reported for the previous year.

2. Dr. S. Fujii, Professor, Kioto Buddhist University, Japan, visited the Museum and photographed the Gandhâra or Græco-Baktrian sculptures exhibited in the Museum. These precious relics of the second century had been photographed about three years ago by Mr. Henry Cousens, Superintendent, Archæological Survey of Western India. Mr. James Ricalton, of the United States of America, called at the Museum and took notes of the Economic Products and Ethnological specimens on exhibition in the Museum. Full information was also supplied to Mr. J. A. Grant of Gaddum and Company, Bombay, with reference to the enquiries made by him concerning the locality and habits of the *Eri* silkworm, *Attacus ricini*. In the silk obtained from this insect there is a considerable trade in the forms of woven silk, "waste" and yarn. During the year several other enquiries were made at the Museum, and each enquirer was given such information as was available on the subject. The Museum was also visited by students, sometimes in company with their teachers, from the various Colleges and High Schools in Bombay and the Mofussil.

3. A plaster of Paris facsimile of Lady Frere's bust, formerly located in the Victoria Gardens, was set up at the Museum by the Executive Engineer, Bombay Municipality.

4. The Museum Library received several additions during the year. The most important among the additions were special series of scientific reports received by presentation from the International Exchange Bureau, Smithsonian Institution, America.

5. A statement showing the expenditure incurred on the Museum during the year under review will be found in Appendix A at the end of the report.

6. In the Natural History Division numerous additions were made during the year. The department of Mammals received one young tiger (*Felis tigris*), one Malayan bear (*Ursus malayanus*), one young lynx (*Felis lynx*), one binturong (*Arctictis binturong*), one young hoolock (*Hylobates hoolock*), and one Indian porcupine (*Hystrix leucura*). These animals died in the Victoria Gardens and were forwarded by the Superintendent to the Museum. Such specimens as were in good order had their skins cured and preserved for exhibition at the Museum. To the department of Birds were added one crested hawk-eagle (*Spizaëtus cirrhatus*), one peafowl (*Pavo cristatus*), one flamingo (*Phœnicopterus roseus*), one red-crested pochard (*Netta rufina*), and one young cassowary (*Casuarius australis*). These birds died in the Victoria Gardens and were forwarded by the Superintendent to the Museum. Such birds as were in good order were skinned and their skins were cured, stuffed and mounted. Also 16 Indian birds' skins in pretty good order, received by presentation from the Bombay Natural History Society, were added to the department. The department of Reptiles and Batrachians received very few additions. To the department of Fishes, Crustaceans and Corals several specimens were added. Also 22 specimens of Red Sea coral received by presentation from Mr. J. P. Watson of Bombay were added to the department. The department of Conchology received very few additions. The department of Geology received no addition during the year. The department of Entomology received very many additions. The most prominent among the additions were three new species representing two new genera and seventeen other species not before recorded from the Bombay Presidency.

7. The three species new to science were as follows:—

Bonacialus dixoni.
Gulielmus laterarius.
Gulielmus marmoratus.

8. The seventeen species not before recorded from Western India were as follows :—

Æliomorpha lineaticollis.
Adria parvula.
Coptosoma cribrarium.
Cantao ocellatus.
Alphocoris lixoides.
Dalpada clavata.
Erthesina fullo.
Apines concinna.
Nezara viridula.
Audinetia spinidens.
Agonoscelis nubila.
Aspongopus nigriventris.
Tessaratoma javanica.
Dalader acuticosta.
Brachytes bicolor.
Homœocerus lævilineus.
Riptortus linearis.

9. During the year under review six mammals were skinned and their skins were cured and preserved, and two smaller specimens were stuffed and mounted for exhibition at the Museum. In the department of Birds several birds were skinned and their skins were cured, stuffed and mounted. The specimens added to the departments of Reptiles, Fishes and Crustaceans were cured and preserved in spirits of wine. The Entomological collection was constantly examined, and the specimens added during the year were cured and preserved for exhibition purposes. Special attention has also been paid to original and research work. For the first time within the history of the Victoria and Albert Museum, three species representing two genera, all the five new to science, have been discovered and a number of other species not before recorded from Western India have been secured and added to the Museum collections.

10. In the division of Anthropology the department of Economic Products received very few additions. To the department of Artware and Manufactures no addition was made during the year. The department of Numismatology received one gold coin and one silver coin by presentation from the Honorary Secretary, Bombay Branch Royal Asiatic Society, agreeably to the Resolution of the Government of India, No. 46-1668-82 of the 9th October 1884. Also two silver and two copper coins, received by presentation from Mr. W. Y. Kosh of Travancore, were added to the department. The department of Ethnology received 35 silver and 17 bronze medals and clasps by presentation from the Secretary to the Government of India, Military Department.

11. In the department of Artware and Manufactures the specimens of valuable cloths and other textile fabrics were, now and then, examined, and their cases were freely supplied with preservatives. As far as was known, the specimens in the various departments, except those damaged by leakage, were all in good order and preservation.

APPENDIX A.

Statement showing the expenditure incurred on the Victoria and Albert Museum during the year 1902-1903.

Particulars.	Budget Estimate.	Actual Expenditure.	Remarks.
	Rs. a. p.	Rs. a. p.	
Museum Establishment including Pension Contribution	6,488 0 0	4,665 6 8	
Contingencies including Cases, Printing, and Stationery	1,000 0 0	412 2 7	
Natural History	1,200 0 0	958 11 0	
Artware	1,200 0 0	.....	
Grant for Books	500 0 0	110 9 0	
Maintenance of Museum Garden ...	600 0 0	600 0 0	
Repairs to Museum Buildings	413 0 0	413 0 0	
Insurance of Museum Buildings	485 0 0	484 6 0	
Unallotted Balance of Government and Municipal Contributions	387 0 0	.....	
Total Estimate ...	12,273 0 0	7,644 3 3	Expenditure.

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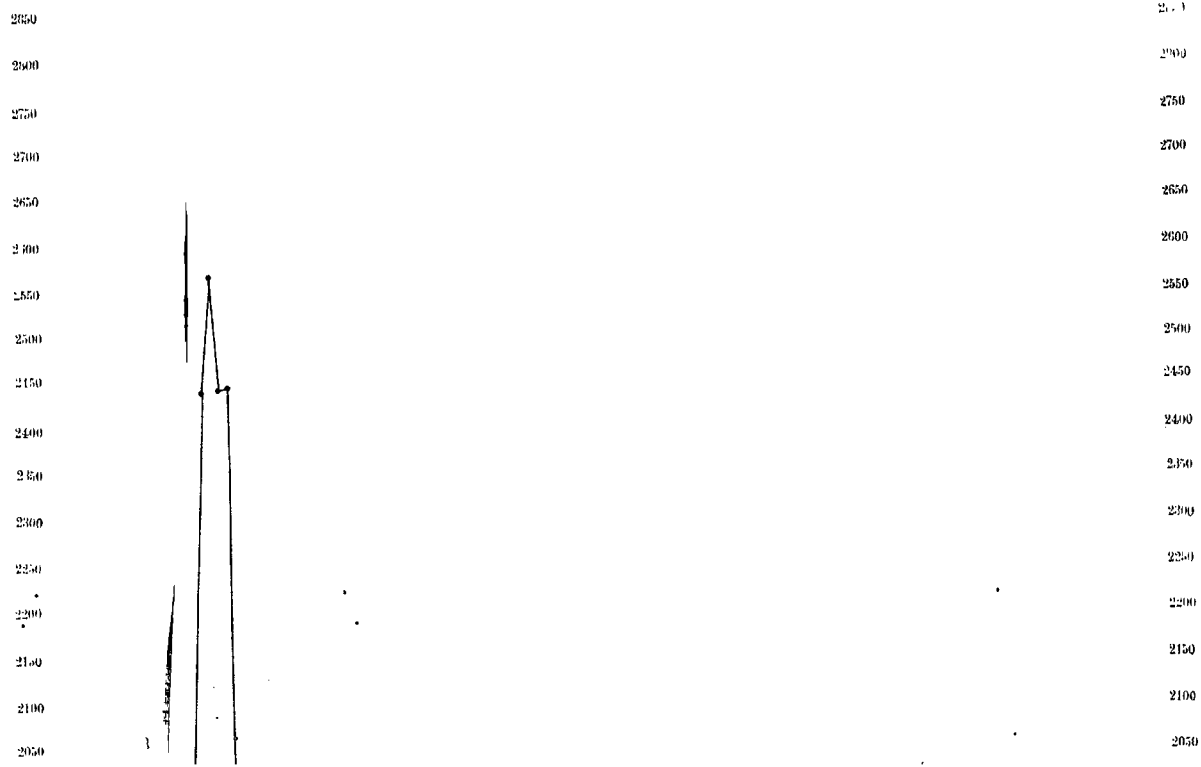
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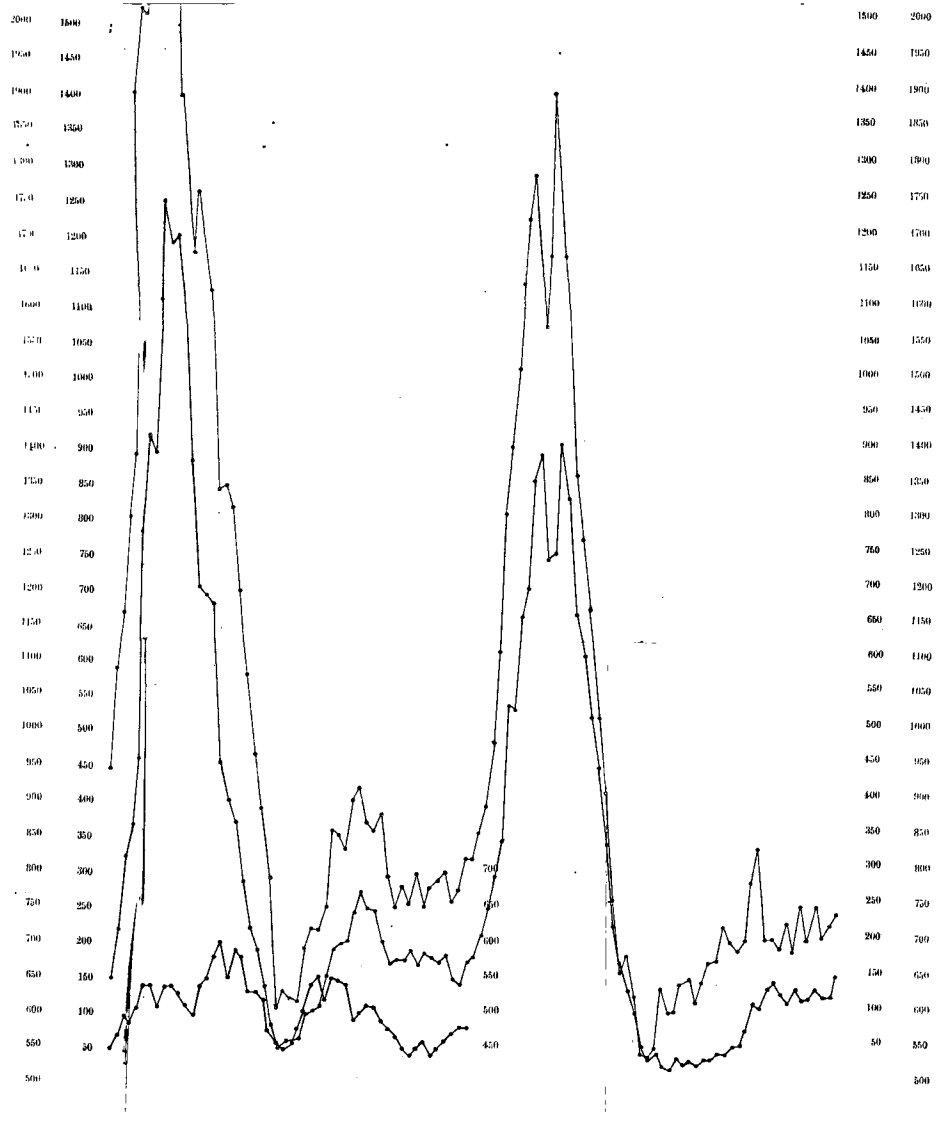
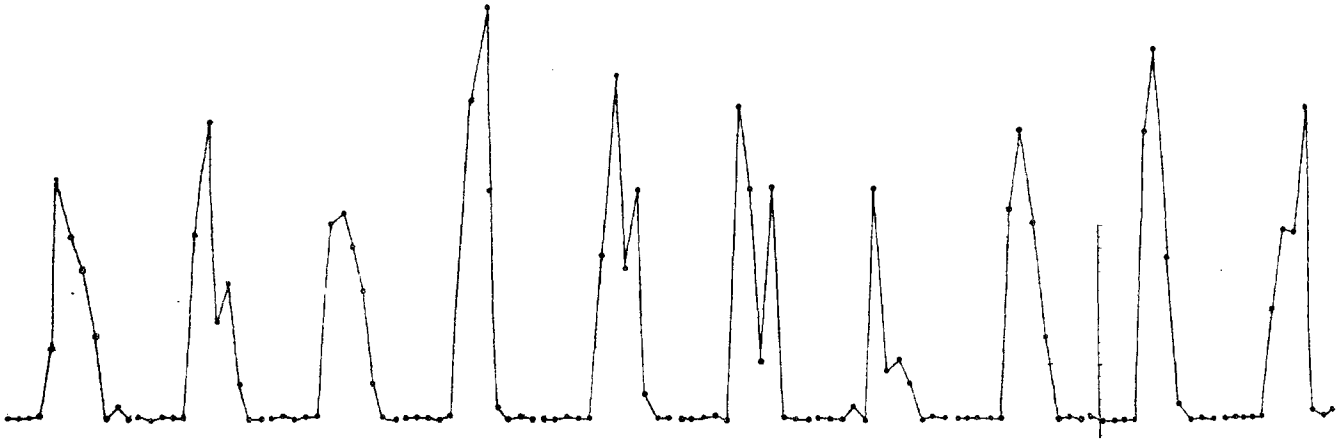




PUBLIC HEALTH.

I.—REPORT OF THE EXECUTIVE HEALTH OFFICER, INCLUDING THE REPORTS OF THE MEDICAL OFFICERS IN CHARGE, INFECTIOUS DISEASES HOSPITALS.

REPORT OF THE EXECUTIVE HEALTH OFFICER FOR 1902.

I have the honour to forward herewith my Anuual Report for the year 1902.

1. The population of the City estimated by the Census of 1901 was 776,006, and it is on this population that all the statistics are based. Population.

2. The number of births registered during the year was 17,599, being 4,079 more than in the previous year and 6,209 more than the average of the preceding five years, giving a birth-rate of 22·67 per 1,000 of population against 17·42 during the corresponding period of the last year; of the total number of births 9,154 were males and 8,445 females, and 2,017 still-born births. From this it will be seen that there was a marked improvement in the Registration of Births. The birth-rate amongst Parsees was 24·55 and amongst Europeans 11·81 as against 24·65 and 11·97 respectively during the last year. Births.

TABLE SHOWING THE NUMBER OF BIRTHS AND THE BIRTH-RATES BY CLASSES IN 1902.

Classes.	Population by Census of 1901.	Number of Births.	Birth-rate Per 1,000 of Population.
Jains	14,248	603	42·32
Brahmins	31,078	495	15·92
Lingaets	2,144	41	19·12
Bhatias	5,359	148	27·61
Hindus of other castes	396,501	8,244	20·79
Do. low-castes	73,617	2,523	34·27
Mussalman	155,121	3,512	22·64
Parsees	46,231	1,135	24·55
Jews	5,357	199	37·14
Native Christians	29,645	466	15·71
Eurasians	3,258	77	23·63
Europeans	12,273	145	11·81
Negro-Africans	626	.....	.....
Buddhists	395	6	15·18
Other and unknown castes	153	5	32·67
Total	776,006	17,599	22·67

3. The number of deaths in the City of Bombay during the year 1902, exclusive of still-born, was 48,414, being 11,081 less than in 1901 and 10,613 less than the average for the past five years, giving an annual death-rate of 62·38 per 1,000 of the population. Mortality.

4. The mortality during the year under report was the lowest of the previous corresponding period of any year since 1898 as shown below:—

Years.	Total number of deaths.
1898	51,961
1899	56,434
1900	79,350
1901	59,495
1902	48,414

5. The death-rate from all causes during the past 12 years was—

Years.	Death-rate.
1891 ...	29·01
1892 ...	32·26
1893 ...	28·16
1894 ...	53·25
1895 ...	30·52
1896 ...	40·71
1897 ...	58·28
1898 ...	63·23
1899 ...	68·07
1900 ...	96·55
1901 ...	76·66
1902 ...	62·38

Mortality from Zymotic diseases.

6. The principal Zymotic diseases under the heading of which deaths are returned in Bombay are Plague, Cholera, Small-pox, Measles, Ague, Enteric Fever, Puerperal Fever, Relapsing Fever, Remittent Fever, Whooping Cough, Dysentery and Malaria. The number of deaths from zymotic diseases was 21,931, giving a zymotic death-rate of 28·26 per 1,000 of the population.

The following is the list of the deaths from each zymotic disease during 1901 and 1902 :—

	1901.	1902.
Plague...	18,736	13,820
Cholera	198	75
Small-pox	159	288
Measles	67	642
Whooping Cough	97	83
Enteric Fever	62	89
Remittent Fever	7,266	3,847
Relapsing Fever	1,560	651
Malaria Ague	480	483
Dysentery	1,341	1,377
Puerperal Fever	514	477
Simple Continued Fever	113	99
Total ...	30,593	21,931

Plague.

7. During the year the control of all plague measures was under the Health Department.

8. The mortality from Plague began its seasonal rise in January and reached its maximum on the 3rd of April and then declined.

9. There were 16,423 attacks and 13,820 deaths from Plague during the year as against 21,006 attacks and 18,736 deaths during the last year.

10. As in previous years the general Hindu community suffered severely from Plague, the mortality amongst this class being 8,597 as against 12,418 during the last year.

11. There was a decrease in the number of deaths from Plague in all the communities except Europeans and Negro-Africans, who show 13 and 9 cases as against 10 and 6 respectively during the last year.

12. There was a marked reduction in the number of deaths from Plague in all the sections of the City except Upper Colaba, Fort, Southern and Chaupati.

13. A total of 9,159 deaths took place amongst males and 4,661 amongst females as against 12,611 and 6,125 respectively during the last year.

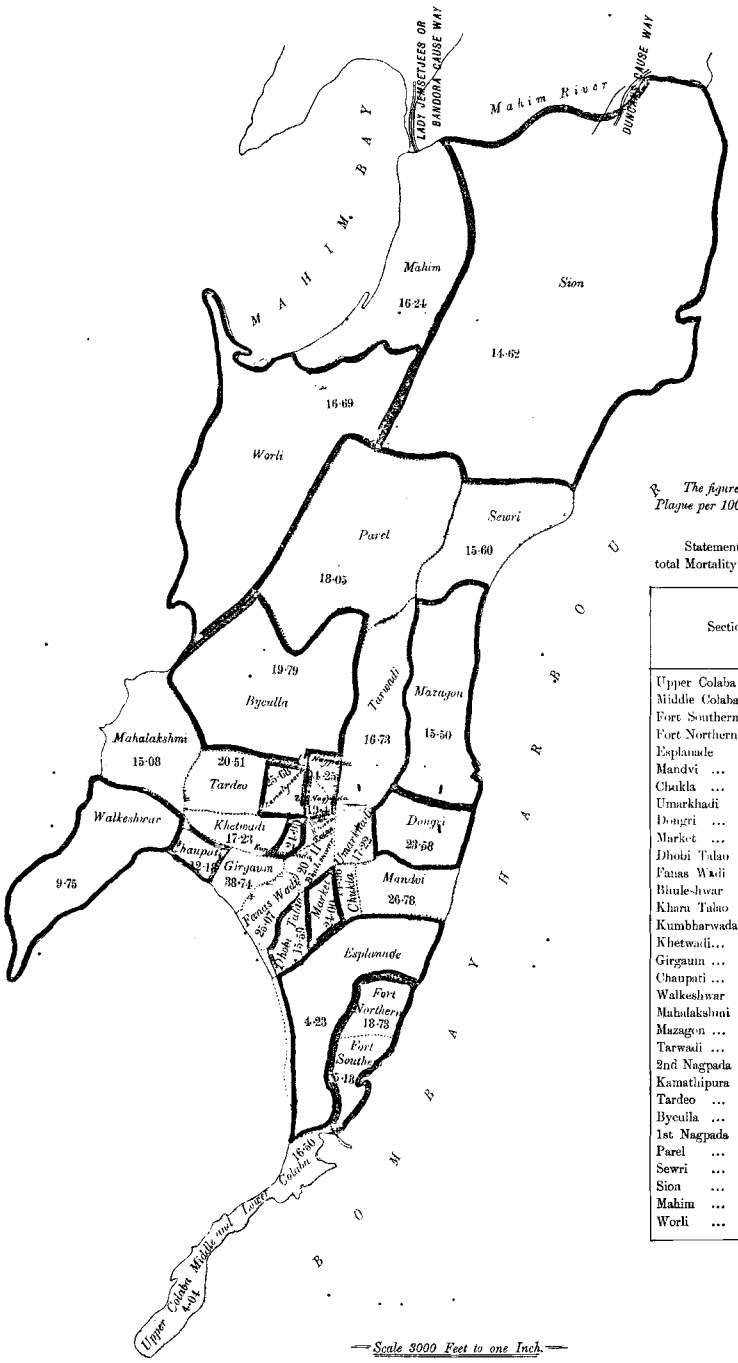
The age period of males was from 15 to 40 years and of females from 10 to 30 years, the highest mortality occurred.

14. The highest Plague mortality was recorded in the month of March, the number being 3,609, April coming next with 2,800; the lowest mortality was in July, 129 deaths being recorded.

From August the Plague mortality rose gradually to the end of the year, 570 deaths being recorded in December 1902.

15. The Plague mortality was highest on the 3rd of April, 148 deaths being registered on that date, while on the 30th of March the highest daily mortality for the year was recorded, viz., 287.

PLAGUE.



1902.

Total Attacks 16,423.

„ Deaths 13,820.

Per cent.

Proportion of Deaths to attacks 84·15.

Per thousand of Population according to the Census of 1901.—

Death-rate amongst Males ... ... 19·08.

Death-rate amongst Females ... 15·73.

The figures in each Section, show the death-rate from Plague per 1000, calculated on the Census of 1901.

Statement showing the week in which the highest total Mortality was registered in each Section in 1902.

Sections.	Highest Death-rate from all causes since Jan. 1902.	During week ending.
Upper Colaba	131·44	1st April
Middle Colaba	131·76	„ „
Fort Southern	94·28	8th April
Fort Northern	124·58	25th February
Esplanade	60·00	1st April
Mandvi	155·66	25th March
Chukla	140·74	1st April
Umarkhadi	150·16	11th March
Dongri	151·29	8th April
Market	139·08	1st „
Dhobi Talao	144·28	18th February
Fanas Wadi	200·31	11th March
Bhuleshwar	144·49	1st April
Khara Talao	121·23	8th „
Kumbharwada	152·91	„ „
Khetwadi...	139·76	1st April
Girgaum	346·29	25th February
Chaupati	123·64	11th March
Walkeshwar	78·76	4th „
Mahalakshmi	112·09	15th April
Mazagon	145·20	1st „
Tarwadi	180·28	8th „
2nd Nagpada	170·62	4th March
Kamathipura	220·02	1st April
Tardeo	161·27	4th February
Byculla	167·78	1st April
1st Nagpada	54·07	15th April
Parel	137·04	11th March
Sewri	117·49	4th „
Sion	145·10	„ „
Mahim	176·58	8th April
Worli	138·01	1st „

Scale 3000 Feet to one Inch.

ELEGANT PHOTO-LITHO PRESS.
HAYE & HATS, L. C. & M. SC.

Statement showing the number of Attacks and Deaths from Plague and the Total Deaths by Days in 1902 (excluding Still-born).

Date.	January.			February.			March.			April.			May.			June.			July.			August.			September.			October.			November.			December.			Remarks.
	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	A.	D.	M.	
1	52	24	127	132	73	174	116	132	261	165	140	266	65	77	166	16	16	103	3	6	75	7	2	86	5	4	101	23	23	122	8	11	90	19	13	95	
2	21	34	122	84	78	201	142	129	248	195	132	282	58	68	149	19	14	99	8	3	96	8	8	102	4	4	98	20	16	107	17	16	95	22	19	97	
3	28	38	132	70	83	193	132	124	255	159	148	276	67	60	146	16	14	83	3	6	78	7	3	85	6	8	106	13	14	106	31	22	106	22	19	108	
4	46	30	116	107	87	217	171	115	254	175	122	238	71	64	129	20	18	101	8	5	86	5	5	93	4	3	113	18	14	117	24	25	115	18	18	96	
5	37	31	110	97	91	214	154	134	254	133	108	234	54	53	136	18	22	106	4	4	87	9	5	95	9	5	93	14	14	117	20	19	96	27	20	118	
6	28	19	127	88	62	185	146	137	265	147	102	221	62	51	135	10	8	84	4	4	93	7	10	83	11	7	106	23	22	122	20	18	95	19	18	112	
7	59	34	125	98	64	180	160	109	226	97	104	218	50	53	125	10	8	93	2	1	87	3	1	100	4	7	107	10	8	92	18	14	116	10	14	98	
8	55	34	121	80	69	204	115	134	283	151	102	207	59	51	135	15	17	91	4	3	109	6	5	85	6	9	109	24	15	114	11	10	95	26	24	130	
9	65	40	146	90	73	211	135	120	267	115	87	191	54	51	149	8	10	71	4	3	69	3	2	85	6	3	90	15	9	97	21	19	112	19	15	89	
10	34	40	129	71	78	209	83	131	247	119	105	198	57	49	128	17	11	81	3	4	80	1	2	96	11	13	113	20	15	123	16	13	93	16	16	87	
11	43	29	118	139	83	205	228	120	248	111	83	199	53	55	126	10	13	69	5	5	88	4	3	82	8	9	107	13	19	130	18	15	121	16	13	105	
12	39	34	129	85	83	206	165	107	202	115	97	218	42	40	131	11	7	81	3	4	78	2	4	85	5	4	88	19	11	138	17	15	91	20	14	110	
13	33	38	120	125	91	224	138	115	233	88	82	182	44	37	123	5	5	72	2	...	95	8	1	94	10	10	82	18	19	108	17	15	97	27	25	118	
14	47	33	136	127	83	201	146	122	243	77	98	180	45	41	143	14	10	76	3	3	96	1	4	84	5	4	102	21	20	120	23	24	110	18	16	97	
15	37	40	129	103	83	204	121	97	269	106	105	195	40	36	109	8	5	81	4	3	99	8	6	118	12	9	102	14	12	93	24	23	108	16	13	84	
16	57	53	151	111	92	216	180	102	239	114	90	168	30	31	113	3	4	76	4	6	85	3	6	95	5	2	106	9	8	94	24	19	97	24	20	107	
17	72	36	133	82	102	237	81	91	229	81	83	177	33	35	109	5	10	91	2	2	73	7	6	85	8	10	93	23	23	119	16	18	98	17	13	107	
18	60	44	154	155	119	228	143	96	224	93	95	202	27	19	91	10	4	68	12	10	105	5	9	92	13	7	93	23	17	95	17	20	85	19	17	118	
19	45	45	136	162	85	222	144	102	217	108	82	187	25	28	102	6	5	80	3	2	83	5	3	81	13	10	98	28	21	110	20	14	107	25	23	106	
20	33	40	140	115	108	216	152	105	239	61	89	176	29	24	96	5	5	69	10	9	96	8	4	104	9	6	110	29	24	105	25	18	123	25	17	97	
21	54	28	144	149	101	222	115	96	245	85	89	200	29	25	86	8	9	94	9	6	82	9	6	103	8	7	90	21	22	89	20	22	110	15	11	92	
22	71	57	168	155	108	242	110	102	229	112	71	164	26	28	107	6	7	84	3	3	82	7	7	92	9	7	100	13	13	89	19	17	104	18	16	99	
23	76	36	148	138	86	242	167	107	247	98	91	183	31	28	94	6	5	89	5	7	102	3	2	89	9	7	104	24	20	96	14	13	109	23	18	105	
24	60	51	153	74	104	250	70	107	247	93	72	159	29	22	81	6	4	56	3	4	91	5	4	93	13	7	93	18	14	102	10	13	97	22	18	112	
25	64	52	158	166	97	241	95	122	252	102	84	168	22	27	104	9	4	71	1	...	89	9	6	89	10	11	96	32	22	93	28	19	101	21	24	111	
26	67	47	166	147	115	237	176	132	283	70	58	167	23	22	88	9	10	83	5	4	82	3	5	101	12	9	106	27	27	106	17	12	83	17	12	84	
27	40	52	162	141	125	255	191	108	272	75	73	170	19	19	100	5	5	73	10	7	96	4	7	100	17	15	101	24	26	114	14	14	102	34	36	125	
28	99	54	163	154	108	219	150	123	261	51	68	168	36	32	96	8	9	77	4	5	91	12	8	86	9	10	97	24	19	108	20	19	93	19	16	98	
29	70	67	161	...	...	...	127	132	278	71	68	157	19	19	94	4	4	83	1	1	92	12	9	99	15	14	107	16	19	90	24	24	141	26	20	97	
30	81	68	182	...	...	...	165	130	287	80	72	161	21	17	103	6	6	92	4	3	109	6	3	98	14	10	102	16	13	101	19	15	91	27	26	114	
31	58	71	183	...	...	...	102	128	256	...	...	...	25	16	104	...	...	...	8	6	89	5	6	93	...	...	...	20	17	98	...	...	...	27	26	126	
Total.	1,631	1,299	4,389	3,245	2,531	6,055	4,325	3,609	7,700	3,247	2,800	5,917	1,245	1,178	3,598	293	269	2,477	144	129	2,754	182	152	2,873	270	231	3,013	612	536	3,315	572	516	3,081	657	570	3,242	

Total for the year 1902.		
A.	D.	M.
16,423	13,820	48,414

Causes of Deaths compared

16. In the following table, it will be observed, that there has been a marked decrease in the number of deaths from all diseases except Small-pox and Measles which stood higher amongst them as compared with the figures of the previous year.

TABLE SHOWING THE NUMBER OF DEATHS AND THE DEATH-RATE FROM DIFFERENT CAUSES IN 1901 AND 1902.

Cause of Death.	1901.		1902.	
	Number of Deaths.	Death-rate per 1,000 of Population according to the Census of 1901.	No. of Deaths.	Death-rate per 1,000 of Population according to the Census of 1901.
Small-pox ...	159	·20	288	·37
Measles ...	67	·08	642	·82
Fevers ...	7,921	10·20	4,518	5·82
Cholera ...	198	·25	75	·09
Plague ...	18,736	24·14	13,820	17·80
Phthisis ...	6,516	8·39	3,957	5·09
Diseases of the Nervous System ...	2,971	3·82	3,027	3·90
,, Respiratory System ...	7,804	10·05	7,250	9·34
Diarrhœa ...	2,375	3·06	2,266	2·92
Dysentery ...	1,341	1·72	1,377	1·77
Accidents ...	764	·98	732	·94
All other Causes except Still-born ...	10,643	13·71	10,462	13·48
Total ...	59,495	76·66	48,414	62·38

Mortality by Months.

17. The following table shows the total mortality by months, the highest being registered in the month of March :—

TABLE SHOWING THE NUMBER OF DEATHS FROM ALL CAUSES BY MONTHS IN 1901 AND 1902.

Months.	No. of Deaths from all Causes exclusive of Still-born in 1901.	No. of Deaths from all Causes exclusive of Still-born in 1902.
January ...	5,601	4,389
February ...	8,626	6,055
March ...	9,841	7,700
April ...	6,573	5,917
May ...	4,960	3,598
June ...	2,995	2,477
July ...	3,060	2,754
August ...	3,717	2,873
September ...	3,795	3,013
October ...	3,442	3,315
November ...	3,356	3,081
December ...	3,529	3,242
Total ...	59,495	48,414

Mortality amongst Males and Females.

18. 27,826 males and 20,588 females died during the year. The highest number of deaths amongst males occurred in the age-period between 25 to 30 years, 3,222 deaths having been registered, and amongst females 2,034 in the age-period of 15 to 20. The lowest number of deaths amongst males occurred in the age-period between 4 to 5 years, 235 deaths having been registered and amongst females 246 in the age-period of 3 to 4 years.

19. From the table given below, it will be seen that amongst persons born in Bombay, 14,002 deaths were registered during the year, and amongst those born outside of Bombay 32,804. The places of birth of 1,608 persons could not be ascertained :—

TABLE SHOWING THE NUMBER OF DEATHS, EXCLUSIVE OF STILL-BORN, ACCORDING TO PLACE OF BIRTH IN 1902.

Months.	Bombay.	Elsewhere.	Unknown.	Total.
January ...	688	3,502	199	4,389
February ...	1,372	4,584	199	6,055
March ...	1,752	5,656	292	7,700
April ...	1,447	4,283	187	5,917
May ...	1,116	2,369	113	3,598
June ...	884	1,505	88	2,477
July ...	1,077	1,583	94	2,754
August ...	1,162	1,614	97	2,873
September ...	1,247	1,689	77	3,013
October ...	1,110	2,113	92	3,315
November ...	1,115	1,878	88	3,081
December ...	1,132	2,028	82	3,242
Total ...	14,002	32,804	1,608	48,414

20. The death-rate by classes is shown in the following table. It will be seen from this, that the Jain community, which includes Banias, excepting Negro-Africans, Buddhists and Lingaets, who form very small communities, show the highest mortality, *viz.*, 137·14 per 1,000 of population. Next comes Hindus, low-caste, the death-rate being 75·59. The general mass of the Hindu community give a death-rate of 63·03 and Mussalman 65·82. The death-rate amongst Parsees was 30·41, European death-rate being more than the last year, *viz.*, 21·99 as against 15·39 during the last year :— The Death-rate by Classes.

TABLE SHOWING THE NUMBER OF DEATHS AND THE DEATH-RATE FROM ALL CAUSES BY CLASSES IN 1902.

Classes.	Population by Census of 1901.	Number of Deaths.	Mortality per 1,000 of Population.
Jains	14,248	1,954	137·14
Brahmins	31,078	1,736	55·85
Lingaets	2,144	151	70·42
Bhatias	5,359	328	61·20
Hindus of other castes	396.501	24,994	63·03
Do. low-caste	73.617	5,566	75·59
Mussalman	155,121	10,211	65·82
Parsees	46,231	1,405	30·41
Jews	5,357	204	38·08
Native Christians	29,645	1,409	47·52
Eurasians	3,258	112	34·37
Europeans	12,273	270	21·99
Negro-Africans	626	42	67·09
Buddhists	395	10	25·31
Other and unknown castes	153	22	143·79
Total ...	776,006	48,414	62·38

21. 288 deaths from Small-pox occurred during the year as compared with 159 in 1901 and 746 during the average of the preceding five years. The disease did not assume an epidemic form until late in the year. Small-pox.

22. It was brought to my notice that a large number of unvaccinated people from the Portuguese Territories, especially from Goa, were coming to Bombay, and most of them, soon after their arrival here, were found suffering from Small-pox, and thereby spreading the disease in the City. I then addressed a letter to the Consul-General for Portugal enquiring whether vaccination is compulsory in the Portuguese Towns, especially in Goa, and in reply, he sent me a copy of the letter received by him from the Chief Secretary of the Government of Goa, that, according to Government Resolutions dated 11th February 1883 and 24th July 1896, vaccination is compulsory, but there is no restriction on those who leave the country, and that they are not subject to special observations.

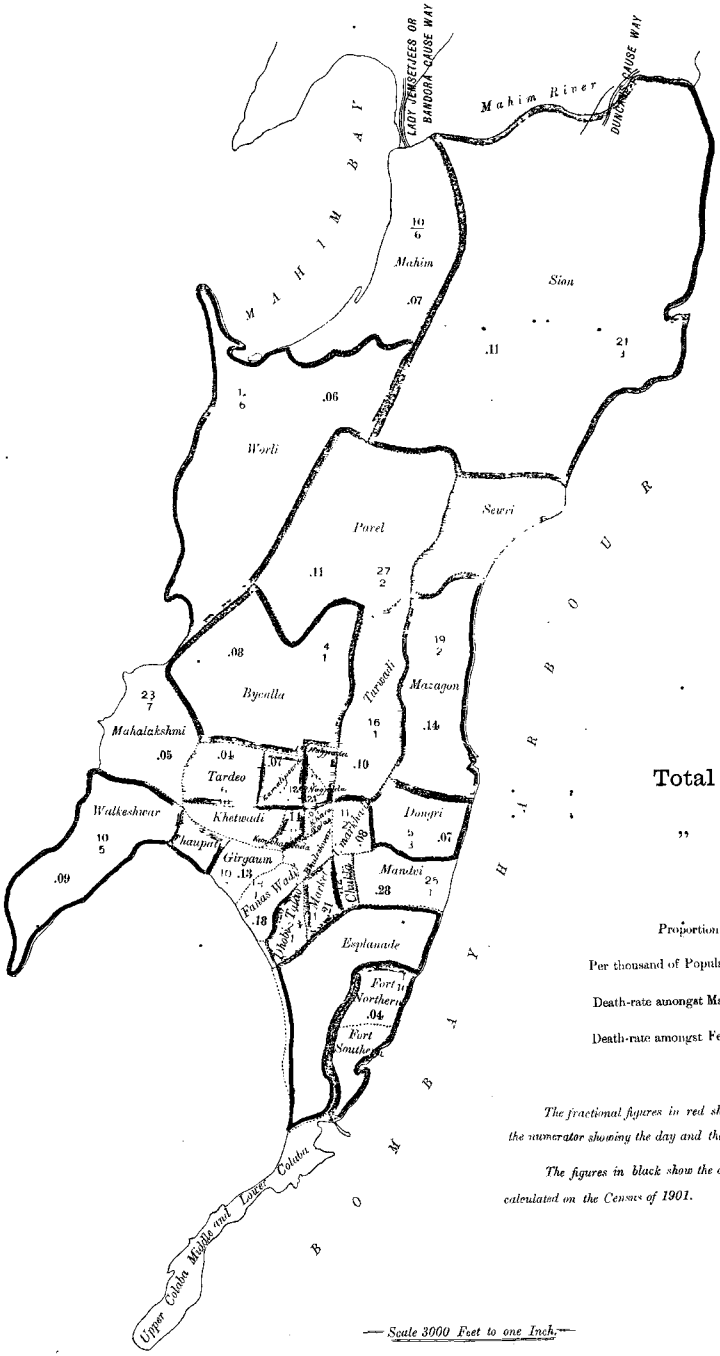
23. I also addressed a letter to the Municipal Commissioner bringing to his notice the prevalence of Small-pox among the Goanese in Bombay.

24. Hand bills in Gujarathi and Marathi for the prevention of the spread of Small-pox in the City were distributed to the public.

Abstract of Monthly Return of Vaccination by the Superintendent of Vaccination, Presidency Circle, Bombay, for the year 1902.

| Months. | Primary Vaccine Operations. | | |

CHOLERA.



1902.

Total Attacks ..... 85.

,, Deaths ..... 75.

Per cent.

Proportion of Deaths to attacks ... 88·23

Per thousand of Population according to the Census of 1901.—

Death-rate amongst Males ... ... .11

Death-rate amongst Females ... ... .07

The fractional figures in red show the date of the 1st attack in each Section, the numerator showing the day and the denominator the month.

The figures in black show the death-rate from Cholera per 1000. calculated on the Census of 1901.

— Scale 3000 Feet to one Inch.—

PHOTO-LITHO PRESS. HATE, L. C. & D. SC.

25. 75 deaths from Cholera were registered during the year as compared with 198 in 1901 and 1,190 during the corresponding year of the last five years. The disease did not assume an epidemic form. The highest number of deaths from this disease was registered in the month of March. Of the total number of deaths, 47 occurred amongst Hindus of other castes as against 131 during the last year; 13 amongst Mussalman as against 18 during the last year. 18 deaths occurred amongst persons who had resided in Bombay for 3 months and under, and 8 deaths amongst those who resided in Bombay for 6 months and under. Out of the total of 75 deaths, 65 occurred amongst persons born outside of Bombay. Cholera.

TABLE SHOWING THE NUMBER OF ATTACKS AND DEATHS FROM CHOLERA BY SEX IN 1902.

Sexes.	Cases.		Percentage of Deaths to Attacks.
	Attacks.	Deaths.	
Males	61	53	86·88
Females	24	22	91·66

TABLE SHOWING THE NUMBER OF ATTACKS AND DEATHS FROM CHOLERA BY MONTHS IN 1902.

Months.	Attacks.	Deaths.
January.	7	5
February	13	12
March	13	14
April...	10	7
May	10	8
June	5	5
July	7	7
August	5	5
September	2	2
October	6	4
November	3	2
December	4	4
Total ...	85	75

TABLE SHOWING THE NUMBER OF ATTACKS AND DEATHS FROM CHOLERA ACCORDING TO DURATION OF RESIDENCE IN BOMBAY IN 1902.

Duration of Residence in Bombay.	Cases.		
	Attacks.	Deaths.	Percentage of Deaths to Attacks.
Under 3 months	20	18	90·00
„ 6 „	9	8	88·88

TABLE SHOWING THE NUMBER OF ATTACKS AND DEATHS FROM CHOLERA ACCORDING TO PLACE OF BIRTH IN 1902.

Birth-place.	Cases.		
	Attacks.	Deaths.	Percentage of Deaths to Attacks.
Bombay	11	10	90·90
Elsewhere	74	65	87·83

Fevers.

26. A total of 4,518 deaths was registered from Fevers. Remittent Fever claims the highest number, *viz.*, 3,847, being 3,419 less than in the last year and 1,938 less than the average of the preceding five years. To Simple Continued Fever 99 deaths were registered, being 14 less than in the last year and 171 less than the average of the previous five years. To Enteric Fever 89 deaths were ascribed, being 27 more than the last year and 42 more than the average of the last five years. To Ague 483 deaths were registered, being 3 more than the last year and 190 more than the average of the last five years. It will be observed that the Fever mortality rose and fell with the mortality from Plague. It commenced rising from January to March, when the highest number of deaths, *viz.*, 868 was registered. The highest number of deaths from Plague registered in the month of March was 2,609. From the month of April, Fever gradually decreased till the end of the year.

TABLE SHOWING THE NUMBER OF DEATHS FROM FEVERS BY MONTHS IN 1902.

Months.	Number of Deaths from Fevers.
January ...	510
February...	617
March ...	868
April ...	417
May ...	228
June ...	220
July ...	285
August ...	332
September	330
October ...	272
November	221
December	218
Total ...	4,518

27. Excluding Jains, which form a very small community, there was a slight increase amongst Lingaets, Bhatias, Europeans, Eurasians and Negro-Africans, the rate being 5·59, 6·12, 4·39, 4·60 and 4·79 respectively, as against 3·26, 3·54, 2·60, 2·14 and 1·59 respectively in the previous year. The general mass of Hindu community show a very remarkable decrease, the rate being 6·02 as against 13·42 in the previous year. Mussalman give a death-rate of 5·21 as against 6·60 in the last year.

28. Mazagon, Byculla, Tarwady and Parel give the highest incidence of Fever mortality.

Malarial Fevers.

29. During the year investigations into the prevalence of Malarial Fever were made and report submitted to the Corporation. The Divisional Health Officers instructed their staff into the methods of distinguishing the various mosquitoes and larvæ, and a list of places was made out where anopheles larvæ were found.

I give below extracts from my reports to the Municipal Commissioner regarding Anopheles Larvæ :—

Extract from my Report, No. 13567, *dated* 19*th December* 1901.

30. The chief specimens of anopheles mosquito found in Bombay are the—

Anopheles Rossei.
Do. Jamesei.
Do. Stephenesei.
Do. Barbarossei.
Do. Culicifacies.
Do. Listonii.

"Of these the last two Anopheles Culicifacies and Anopheles Listonii are the only malaria-bearing mosquitoes known here at present."

"The Anopheles larvæ are found where water collects for any time. In large collections of water or the large open tanks, the presence of the larvæ has been detected, but only in small numbers, and these chiefly in the dry weather when more shallow pools are dried up; in a few wells inside houses, and in puddles on the road-side and wherever small quantities of water collect, in road-side ditches where there is very little fall, the presence of a small quantity of sewage or polluted water does not appear to be inimicable to the larvæ, and they have been found on the foreshore of Nepean Sea Road in water which is actually salt."

"That the Anopheles larvæ is ubiquitous must be accepted, and that a small puddle of water in the compound of a house is more dangerous than a tank or swamp half a mile away."

"I advise the Committee therefore that the best known means of preventing the breeding of anopheles is to drain all marshy and low-lying land, by providing surface drainage with a sufficient fall to keep the water running freely to drain, and fill in all places where water collects and remains for any time; that when the land cannot be so drained and filled in, the only means for destroying the larvæ is by introducing some larvicide as kerosine, tar or any one of the substances known in the market as Anophelecidum, a hydro carbon compound which is now being used. The Divisional Health Officers have anticipated the report of the Committee, and have for sometime been taking steps to destroy larvæ in their respective districts, and have instructed their Inspectors in the methods to be observed and the reason for doing so. The Committee can however strengthen the hands of the Health Department by recommending to the Corporation the necessity for keeping all existing tanks well supplied with fish and by draining and filling in all lands where water collects, and making all road-side open drains of sufficient fall with smooth impervious sides."

"The fact that a species of Anopheles mosquito is the vehicle which conveys malaria is now widely known, but any attempt made to permanently destroy the larvæ will be futile until the public generally recognise that the Anopheles mosquito cannot breed without water, and they are educated to appreciate the fact that Malarial Fevers are the cause of most of the sickness in the City, that the mosquito hates light and air and loves darkness and damp. The aim then should be to get rid of the possible breeding places and to take such steps as are necessary to prevent the collection of water near houses."

Extract from my Report, No. 6620 *of* 29*th July* 1902.

31. "To get rid of the larvæ from every haunt of the mosquito all at once is a vast undertaking and would require a large staff and expenditure; but the continued efforts of the Health and Engineer's Departments combined with a spread of the knowledge of the subject amongst the population, should do a great deal in mitigating the evil."

"The Divisional Health Officers have pointed out specific instances where improvements could be made, but the number of low-lying places and undrained areas, and the innumerable localities which allow water to accumulate are so many that no appreciable effect could be made on them unless an army of workmen was employed. Under the circumstances I advise that the surface and subsoil drainage and the sewerage of the north of the Island be pushed on."

"That the connections of house drains and Municipal sewers be expedited. At present the liquid filth of many houses either drains into cesspools which are not properly covered, or is discharged into storm water drains or road-side drains which are roughly constructed and laid without proper fall. In either case the sullage stagnates and affords a favourable breeding ground for mosquitoes as well as polluting the soil."

2. By improving the construction and fall of the existing storm water drain in such a way that the water will flow away rapidly and not stagnate in the drain.

3. By seeing that excavations made for laying drain and cleaning operations are closed as soon as possible.

4. By securing proper drainage provision for the subsoil water pumped out from excavations or trenches made for laying pipe drains or sewers.

5. By seeing that the usual drainage channels of premises are not obstructed during the progress of drainage works.

6. By insisting on the provision of properly paved and drained nahanis under stand pipes, public or private, and by not allowing nahanis to be connected to open drains of imperfect construction.

Practically the whole of the suggestions that can be made are in the direction of improved sanitation generally.

"Get rid of the dampness around houses by draining the subsoil and making the surface impervious and causing all storm-water and open surface drains to carry away water rapidly, admit of fresh air and sunlight to houses. The Health Department will continue to pursue the campaign against mosquitoes, and with the information gained concerning the prevalence of Malaria by the opening of the dispensaries and other sources, much can be done in instructing the people."

Relapsing Fever.

32. To Relapsing Fever 651 deaths were ascribed, being 909 less than in the last year and 167 less than the average of the preceding five years. The highest number of deaths from Relapsing Fever was registered in the month of February, when 103 deaths were registered. From March the disease gradually decreased till the end of the year.

STATEMENT SHOWING THE DEATHS FROM RELAPSING FEVER BY MONTHS DURING 1902.

Months.	Number of Deaths.
January	90
February	103
March	75
April	61
May	56
June	55
July	47
August	43
September	34
October	36
November	29
December	22
Total	651

Measles.

33. 642 deaths from Measles were registered during the year, being 575 more than the last year and 228 less than the average of the preceding five years. The disease prevailed in an epidemic form during the last two months of the year.

Phthisis.

34. 3,957 deaths from Phthisis were registered during the year, being 2,559 less than the last year and 2,502 less than the average of the last five years.

35. The most fatal period of life amongst males was between the ages of 25 to 30 and that of females between the ages of 20 to 25. The female death-rate was more than double that of male. Leaving out Negro-Africans, which is a small and fluctuating community, the mortality from this disease was high amongst Jains, but less than the last year, the rate being 11·22 as against 18·80 in the last year.

There is a decrease in the number of deaths amongst Mussalman, the rate being 8·52 as against 13·89 in the last year.

Umarkhadi shows a death-rate higher than all the other sections, the rate being 9·17. Next comes Girgaum with a death-rate of 9·00.

36. I give below an extract of my Report, No. 9967, dated 13th October 1902, addressed to the Sanitary Commissioner for the Government of Bombay regarding the measures that should be adopted for the prevention of Phthisis.

"In order to obtain information of cases of Phthisis the measures that should, in my opinion, be adopted are—

(1) Notification by Medical Practitioners should be made compulsory.

(2) Educating the people to the importance of giving information (to the District Registrars appointed by the Municipality) of cases of Phthisis in their houses.

(3) Appointment of male and female visitors possessing Medical training to detect cases and warn people of the danger to the healthy from contact with cases of Phthisis.

(4) As an inducement to Medical Practitioners for notifying cases, a small fee of a Rupee or two Rupees should be paid."

STATEMENT SHOWING THE NUMBER OF DEATHS AND THE DEATH-RATE FROM PHTHISIS BY SECTIONS IN 1902.

Wards.	Sections.	Population by Census of 1901.	Number of Deaths.	Death-rate per 1,000 of Population.
A	Colaba .. Upper	3,956	3	·75
	Colaba .. Middle and Lower	13,023	60	4·60
	Fort..... Southern	3,309	.....	.....
	Fort..... Northern	22,956	126	5·48
	Esplanade	10,398	22	2·11
B	Mandvi	31,402	191	6·08
	Chukla	24,384	200	8·20
	Umarkhadi	48,481	445	9·17
	Dongri	25,778	102	3·95
C	Market	28,415	141	4·96
	Dhobi Talao	29,553	114	3·85
	Fanaswadi	16,354	70	4·28
	Bhuleshwar	30,229	224	7·41
	Khara Talao	23,161	167	7·21
	Kumbharwada	27,544	176	6·38
D	Khetwadi	27,160	104	3·82
	Girgaum	14,866	134	9·00
	Chaupati	6,729	19	2·82
	Walkeshwar	10,563	22	2·08
	Mahalakshmi	18,092	43	2·37
E	Mazagon	27,933	121	4·33
	Tarwadi	18,460	94	5·09
	2nd Nagpada	18,591	132	7·10
	Kamathipura	26,706	149	5·57
	Tardeo	20,958	63	3·00
	Byculla	57,646	347	6·01
	1st Nagpada	10,577	9	·85
F	Parel	33,390	182	5·45
	Sewri	9,294	19	2·04
	Sion	25,443	89	3·49
G	Mahim	27,386	126	4·60
	Worli	45,588	258	5·65
Harbour and Docks, Railways and Homeless		37,681	5	·13
	Total...	7,76,006	3,957	5·09

37. The number of deaths amongst children under one year of age was 9,553, being 1,785 more than in the previous year; of these 8,399 deaths took place amongst the children born in Bombay and 1,154 amongst those born out of Bombay. Infant Mortality.

38. The number of births registered during the year was 17,599 giving an infant mortality of 537·13 per 1,000 of the births. Small-pox and Measles accounted for 87 and 205 deaths of infants under one year of age respectively. Diseases of the Respiratory System are stated as being responsible for 2,347 deaths amongst infants under one year of age as against 1,536 in the last year, while under the head of Diarrhœa 617 deaths are given as against 484 in the last year.

39. The other causes given are—Diseases of the Nervous System "Convulsions" (2,023), and Debility (3,025); of the latter, 2,232 deaths were under thirty days.

40. The Corporation called for a report as to the cause or causes of the high infant mortality in the City, and on the measures and remedies for reducing the same.

I give below copy of my letter, No. 5893 of 11th July 1902, addressed to the Municipal Commissioner on the subject:—

"I have the honour to state that the Corporation call for an exhaustive report (1) as to the cause or causes of the high infant mortality in the City, and (2) on the measures and remedies for reducing the same. The first point is a simple one to deal with, and on point (2) it is not difficult to offer suggestions, but I have grave doubts as to whether the Corporation can undertake to give practical effect to some of them.

I shall now proceed to report on point (1). The direct causes of infant mortality are chiefly :—

Measles.	Convulsions.
Bronchitis.	Fevers.
Debility.	Premature Birth.
Diarrhœa.	Atrophy.

To suggest remedies for these apparent causes it is necessary to enquire into the conditions which predispose to these diseases. I append a statement marked "A" showing the infant mortality as existing among the higher and the lower classes. The statistics are for two months, and they are sufficient to prove the correctness of what I have stated below. It will be seen from the statement that out of the total infant mortality of 1,182 in the month of April, 968 deaths were amongst the poorer classes, and that in the month of May 934 out of 1,128, while amongst the better classes it was 214 and 194 respectively, whereas the poorer classes constitute only 22·34 per cent. of the population of the City. The causes of this predominence of infant mortality amongst the poorer classes are not far to seek:—

1. Want of stamina in the mother and consequent inability to bear the strain of producing healthy offspring.
2. The hard work that the mothers are required to do during pregnancy.
3. Want of proper nourishment to infants.
4. Want of proper clothing.
5. Want of medical treatment in sickness.
6. Insanitary surroundings.
7. Overcrowding.
8. Insanitary dwellings.
9. Drugging of children to enable the mothers to attend to their work.

Early marriages also, I think, contribute in part to the infant mortality.

Young girls become mothers between 12 and 15 years, the offspring of such mothers are in the majority of cases nothing but weaklings and on account of low vitality very susceptible to contract diseases and too weak to throw them off. Illustrations of causes 1 and 2 can be met with every day even by a casual visit to parts of the City inhabited by the poorer classes. Owing to poverty women are compelled to go on working up to within a short period of their confinement, to forego the advantage of skilled attendance during parturition, and to return to work very shortly after their confinement, and these causes acting together or separately tend to impair the health of the mothers and to lessen the chances of their producing a vigorous and healthy progeny. For a similar reason many mothers seek employment in Mills and Workshops, and are absent from their homes all day long. They are able to nurse their infants only early in the morning before setting out for their work and then again at night on their return. During this long interval, the infants are usually looked after by young children of the family or by some elderly woman for a small remuneration. During the absence of the mothers, the infants are fed on food which is for the most part unsuitable and indigestible and illness is the inevitable result of this unnatural mode of feeding. The infants receive no proper medical treatment to remedy the evils caused by this mismanagement. This is due to the want of facilities for obtaining free medical aid. Domestic medicines containing some form of opiate are, however, administered and their effect is to stupify the infants and keep them quiet. The dosing is repeated in the evening, the infant's cries of hunger or pain are stilled, and so the parents and others who occupy the same room and have to work hard during the day are enabled to enjoy their night's rest undisturbed. Apart from the risk of an overdose being occasionally given, infants habitually drugged with opiates are rendered disinclined for food and are poorly nourished. They have little or no resisting power and succumb readily to relatively trivial ailments, and thus the infant mortality is increased. The homes of the infants of the poorer classes are the ill-lighted and almost ill-ventilated rooms of buildings which are more or less insanitary throughout, and the surroundings of which are usually filthy in the extreme. Some of the buildings are simply bamboo huts on damp and filthy surroundings, the occupants sleeping on the vacant ground. Not only are the rooms overcrowded, but there is such a dense aggregation of buildings on area that no free circulation of air in and around buildings is possible. On looking over the last Census Report I find that 80 per cent. of the total population of the City live in tenements of one room with an average of 4 to 5 occupants. The report states that these figures clearly indicate the high cost of living and the poverty of the majority of the people.

I shall now deal with point (2). Remedies and measures for reducing the infant mortality. The only conclusion that can be arrived at from what I have stated above is, that poverty is at the root of the evil and the remedy is to raise the standard of wages.

It is scarcely necessary to observe that against most of the unwholesome conditions of dwelling and environment described above there is no resource in any present provisions of the Municipal Act. It is true that certain Sections of the Act empower the Commissioner to abate overcrowding, but in practice the abatement of overcrowding in one house or locality simply leads to extra congestion elsewhere. So long as rents are high and the standard of wages low, overcrowding connot be effectually prevented, and under existing conditions all we can hope to do is to try and lessen the evil effects of overcrowding by securing ample light and ventilation for dwellings and free circulation of air around them. This, however, cannot be done unless the Municipal Regulation in respect of the ventilation, &c., of buildings are made more stringent. There is a common belief that much of the infant mortality is due to the fact that the milk supply of the City generally is impure and adulterated. In the absence of the information that would be furnished by systematic analysis of milk, it is impossible to say whether this impression is well founded or not, but the enquiries I have made lead me to conclude that the extensive sophistications practised in European countries are unknown here, and that practically the only adulterant used is water. This, of course, is serious enough, for the water employed may be very impure. Having regard, however, to the insanitary conditions under which milch-cattle are housed in many of the stables in Bombay, and to the manner in which milking operation is conducted, it appears to me quite unnecessary to assume that milk must be watered or adulterated to render it noxious to infants. I have just now under consideration the question of the improvement of the milch-cattle stables in the City, and I shall shortly submit my views on the subject. You are aware that at my recommendation the Corporation have inaugurated the scheme of free medical relief to the poor. This will supply a much-needed want and the result will justify the outlay.

I have under my No. 19096 of 15th March 1902, applied for your sanction to the employment of seven nurses or medical women, one for each ward of the City. In that letter I have defined the duties to be assigned to these medical women as follows :—

The duties of these women will be to visit as many houses in each ward as possible, and instruct females in personal sanitary matters, to ascertain the causes of death among the female population and the existence of infectious disease, and advise females who are in a lying-in condition and in the care of infants.

If this assistance is supplied to poor women in their confinement, much suffering would be relieved and many infant lives would be saved. I have stated above that poverty is at the root of the evil. This direct cause of much infant mortality is an influence with which the Municipality cannot deal, and it is out of the reach of remedies which we are competent to recommend. With reference, however, to one of the consequence of poverty, *viz.*, the employment of adult female labour in Mills and Factories, the measure which has proved of much benefit in some European Towns might be tried here. I refer to the provision in the Mill or Workshop of a room of nursery, where mothers might leave their infants in the charge of some responsible individual and have access to them at reasonable intervals during the hours of work. I forward herewith a statement marked B showing the infant mortality for the last eleven years. It will be observed from the statement that the infant mortality each year has been almost the same, except for 1900, in which year there was an epidemic of Cholera and Small-pox and Measles, which shows that the causes of infant mortality have been the same throughout. The term infant mortality is used in relation to the number of infants under one year of age to the ratio per 1,000 of those born during any one year. Hitherto the infant mortality has been a general term referring to children dying between the ages of one day and five years, and the ratio per 1,000 of the whole population and to the population at the respective ages. Owing to the defective system of Birth Registration any report on the ratio per 1,000 of the births will be misleading, and the most accurate information will be the actual number of deaths of infants under one year and under five and taking the ratio per 1,000 of the population of the respective ages. Comparisons made with other cities in India are not of much value in ascertaining whether the infant mortality is abnormally higher in Bombay as the facts on which the figures are based vary. I have, however, collected the figures from Madras and Calcutta and include them in the statement marked C. It will be observed from the statement that infant mortality or deaths of infants under one year of age in Bombay is less than that of Calcutta and Madras, except in the years 1900 and 1901. In the year 1900, there were three epidemics prevalent in the City, *viz.*, Cholera, Small-pox and Measles, and Plague and there was a large number of famine refugees in the City. With regard to 1901, it is interesting to note that the Census population of infants under one year of age in Bombay in 1891 was 25,291, while according to the Census of 1901 it was 9,930; calculated on the latter basis, the infant mortality show a serious rise which cannot be taken as accurate, as the Census was taken in March when Plague was at its height and the Census figures did not give an accurate return of the normal Infant Population.

A

STATEMENT showing the number of Deaths amongst the Infants of Labouring and Superior Classes during the months of April and May 1902.

Months.	Labouring Classes.	Superior Classes.	Total.
April ...	968	214	1,182
May ...	934	194	1,128

B

STATEMENT SHOWING THE INFANT MORTALITY FROM 1891 TO 1901.

——	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.
1 year and under ...	7,418	7,763	6,446	7,451	6,683	7,273	7,508	6,279	8,351	13,492	7,768
1 to 4 years	3,374	3,788	2,939	3,798	3,239	3,222	3,825	3,100	4,111	6,894	3,561
Total ...	10,792	11,551	9,385	11,249	9,922	10,495	11,333	9,379	12,462	20,386	11,329

C

STATEMENT showing the Infant Population under one year of age according to the Census of 1891 and 1901, number of Deaths amongst Infants under one year, and ratio per 1,000 of population at that age from 1891 to 1901 in Bombay, Calcutta and Madras.

Year.	Bombay.			Calcutta.			Madras.			Remarks.
	Population of Infants under 1 year.	Number of Deaths of Infants under 1 year.	Ratio per 1,000 of population among Infants under 1 year.	Population of Infants under 1 year.	Number of Deaths of Infants under 1 year.	Ratio per 1,000 of population among Infants under 1 year.	Population of Infants under 1 year.	Number of Deaths of Infants under 1 year.	Ratio per 1,000 of population among Infants under 1 year.	
1891...	25,201	7,418	293·3	9,795	3,768	384·6	13,667	5,843	427·5	
1892...	...	7,763	306·9	...	3,731	380·9	...	5,103	373·3	
1893...	...	6,446	254·8	...	4,069	415·4	...	5,357	391·9	
1894...	...	7,451	294·6	...	3,942	402·4	...	4,878	356·9	
1895...	...	6,683	264·2	...	4,663	476·0	...	5,299	387·7	
1896...	...	7,273	287·5	...	4,365	435·4	...	5,570	407·5	
1897...	...	7,508	296·8	...	4,491	458·5	...	...	...	Information not available.
1898...	...	6,279	248·2	...	3,610	368·5	...	5,525	404·2	
1899...	...	8,351	330·1	...	4,037	412·1	...	4,973	363·8	
1900...	...	13,492	533·4	...	4,877	497·9	...	5,624	411·5	
1901...	9,930	7,768	782·2	13,236	4,401	332 5	...	...	...	Information not available.

Digestive System.

41. From diseases of the Digestive System, 4,744 deaths were registered, being 128 less than in the last year and 1,293 less than the average of the preceding five years; of these 2,266 were ascribed to Diarrhœa, being 109 less than in the last year and 619 less than the average of the last five years. To Dysentery, 1,377 deaths were registered, being 36 more than in the last year but 461 less than the average. To all Other Diseases of the Digestive System, 1,101 deaths were registered, being 55 less than in the last year and 213 less than the average.

Nervous Diseases

42. To Diseases of the Nervous System, 3,027 deaths were registered, being 56 more than in the last year and 21 more than the average. Out of the above number, 2,314 deaths were due to Infantile Convulsions.

43. From Diseases of the Respiratory System, 7,250 deaths were registered, being 554 less than in the last year and 213 less than the average; of these 4,001 deaths were referred to Bronchitis and 1,867 to Pneumonia. Respiratory Diseases.

44. To Diseases of the Circulatory System, 361 deaths were referred, being 67 more than in the last year and 48 more than the average. Circulatory Diseases.

45. The comparison of other diseases is shown in the following table:—

Diseases.	Mortality in 1902.	Mortality in 1901.	Average mortality during the last 5 years.	Remarks.
Whooping Cough	83	97	199	
Urinary...	241	232	228	
Generative	265	583	554	
Absorbent	3	.....	2	
Locomotion and Cellular Tissue	108	138	156	
Cutaneous	42	40	60	
Dropsy	103	112	190	
Leprosy	111	97	80	
Eye, Ear and Nose	2	8	13	
Premature Birth	100	80	62	
Debility	3,327	2,915	2,862	
Old age	1,850	1,717	1,563	
Accidents and Violence	732	971	867	
Unspecified causes	24	47	114	

46. There were 74 deaths due to Poison, being 14 more than in the last year and 20 more than the average; of these 42 were suicidal, 27 accidental, 2 homicidal and in 3 instances the circumstances under which deaths took place were not known. Out of the 27 accidental deaths, 7 were from snake-bite. 141 deaths took place from drowning, being 6 less than in the last year and 20 more than the average of the last five years; of these 52 were suicidal, 47 accidental, 1 homicidal and in 41 instances the circumstances under which deaths took place were not known. 517 deaths were due to injuries, being 247 less than the last year and 175 less than the average of the preceding five years. Accidents and Violence.

47. No new burial ground was opened during the year.

48. In Appendix B at the end of the report will be found a table showing how the dead of the various communities were disposed of.

49. The following sections among others, show the highest rate of mortality—Girgaum, Kamathipura, 2nd Nagpada, Tarwadi and Umerkhadi.

In Girgaum, where there is no overcrowding of the population, shows the death-rate of 122·78; this is due to the fact that the population of Girgaum, according to the new Census, has much decreased from 26,999 to 14,866 and the calculations are made on the Census population of 1901. The crowded sections of Mandvi, Umerkhadi, Bhuleshwar, Dhobi Talao, Khara Talao, Kumbharwada and Market show a death-rate ranging from 53·81 to 77·93. Leaving out Fort, South, which residentially is a very small quarter, Upper Colaba, as during last year, has the lowest death-rate, *viz.*, 27·55; this is due to the section being a Military Cantonment occupied by Europeans. 1st Nagpada shows the death-rate still lower, but this is due to the fact that many of the densely populated chawls and houses in that locality having been demolished by the City Improvement Trust and few houses remain.

50. In addition to the three Dispensaries that were in existence, seven dispensaries were provided by the Municipality in the months of May and June in the crowded parts of the City and where there is the greatest poor population. Medical Relief.

51. The ten Dispensaries have done an excellent work during the year. The actual number of new cases (individuals) treated at the Dispensaries during the year was 78,778 (50,014 males and 28,764 females), making the total number of attendances 287,189, giving a daily average attendance at the Dispensaries of 787, of which 2,967 patients were seen at the patient's houses.

52. The diseases generally treated at these Dispensaries were Malarial Fever, Respiratory Diseases, Tuberculosis, Diarrhœa and Dysentery.

53. It is compulsory for every Medical man practising in the City to notify cases of dangerous infectious disease of which he is cognizant, as it is very essential that the Health Officer should be informed of such cases. I again issued circulars to each Medical man and had the Section of the Act published, and sent books of forms to every qualified Medical man. Notification of Infectious Diseases.

There was some improvement in the number of notifications received, but very many cases are treated and not notified to me, and I have had to write to several Practitioners reminding them of the obligation imposed on them.

54. During the year 1,376 notifications from qualified Medical Practitioners were received, 1,125 from Plague and 251 from other Infectious and Other Diseases compared with 898 in 1901. 248 notifications were received from Hakims and Vaidyas, out of which the diseases reported in 189 cases were, on investigation by the Medical men of this Department, found to be correct.

55. 5,159 certificates of the causes of deaths were received from qualified Medical Practitioners, 319 from Hakims and Vaidyas, and that the causes of deaths of 8,575 persons were certified by the various Hospital authorities, the Coroner and the Commissioner of Police.

56. During the year 600 certificates of deaths and 50 of births and 34 true copies of death and birth reports were issued from the Head Office to parents and relations requiring them, and in 53 instances, when the date of death or birth was not given, the registers were searched for the whole year in each case.

Registration of Births and Deaths and Medical Relief.

57. During the one year that the new scheme of births and deaths registration proposed by me has been in operation, the results achieved and the work done have been satisfactory. The quarterly reports submitted by me from time to time give full details of the causes of deaths, &c., in the City and give an idea as to the work done according to the new scheme and I do not think that I need refer to them here.

Registration.

58. In Bombay the Health Officer is the Chief Registrar of Births and Deaths. He keeps all births and deaths returns, compiles all statistics, issues copies of births and deaths registers, and causes enquiries to be made into the causes of deaths. He has to supply information to different parts of the world as to births and deaths and keep all registers and supply Government and Vaccination Department with all details of births and of persons unvaccinated and deaths of children. In fact every detail regarding statistics of births and deaths passes through his hands, for which he is responsible. Enquiries from all parts of the world are made to him as to the copies of certificates of births and deaths.

Vaccination

59. The work entailed on our registration staff on account of the assistance that is required to be rendered to the Vaccination Department is heavy. The District Registrar has to maintain for vaccination purposes a duplicate register of births, issue notices for each birth, keep a register of notices issued for vaccination, register duplicate certificates of vaccination and postponement certificate of vaccination and furnish the Vaccination Department with a monthly return of unprotected children. In short every detail has to be furnished by us, and records to be maintained for vaccination purposes. I am in communication with the Superintendent of Vaccination to curtail the forms, &c., required by the Department and hope to be able to reduce the unnecessary work entailed on our staff.

In England all the work is done by Government with a very large establishment under the Registrar-General at Somerset House, London, where all returns are sent, collected, and compiled for all the cities and towns and villages of England.

60. The fee of Re. 1 charged for searching records of a birth or death and issuing a copy of the certificate to a party is not in proportion to the trouble that we have to undergo. In searching and verifying the birth or death of any person, we have to wade through the records of many years which is a difficult task. To furnish one copy of a death certificate sometimes 25,000 death reports of the year have to be gone through, searched and verified. To add to these difficulties the parties do not give full particulars and often the names are not correct. I would therefore suggest that the fee of births and deaths certificates and for searching births and deaths registers, &c., be raised to Rs. 2 or Rs. 3.

Medical Relief.

61. Being fully convinced that for a correct registration of the causes of deaths in Bombay, free medical aid should be offered to the people and every facility given them in times of sickness I advocated the Dispensary scheme which, I am glad to say, has met with some success.

I am almost sure, it will, in a few years, prove a great boon to the poor of this City. The Dispensaries have been very useful and popular and many people took advantage of them both as regard certificates of death and treatment.

62. The staff provided for in the Budget for the Registration of Births and Deaths falls short of our requirements during severe epidemics such as those we have had to face during the months of January, February, March and April 1903. The work entailed on the District Registrars and Sub-Registrars is heavy, and I should like *to* augment the present staff.

63. The people are now becoming familiar with the Dispensaries of which there are only 10. These will have to be increased in the near future and at the end of the year I will submit proposals for an extension of the registration scheme and my further requirements. To complete the scheme proposed by me the establishment of some more Municipal Hospitals is necessary, which I trust the Corporation will sanction later on.

64. The qualified Medical men in the City were all asked to co-operate with me and the success of the new scheme is to some extent due to the assistance rendered by them, and as the medical profession become familiar with the system and learn that notification of infectious disease and certificates of the cause of death are compulsory and will be enforced and in no way interfere with their private practice, I expect to receive still further help.

65. A large mass of the people were found to resort to Hakims and Vaidyas for treatment. With a view to gaining further information about the causes of deaths, &c., from unqualified Medical men, the certificates of deaths and notification forms were translated and printed in vernaculars as a matter of expediency until a Medical Registration Act is passed. Only a selected few have been allowed to grant certificates of deaths, and even in the case of these I have retained the privilege of investigating the cause of death or existence of the infectious disease. The practice of allowing all unqualified Medical men to certify as to the cause of death is not conducive to accurate registration.

66. With a view to giving publicity to the new scheme, three times in the course of the year, copies of vernacular translations of Sections 446 (1) and 449 (1) of the Municipal Act were printed and distributed amongst the people. Publicity was also given to the scheme in the daily papers and every effort was made to acquaint the people with the Registration and Dispensary schemes.

67. Although the majority of the births are registered on enquiries made by our staff, there is no doubt that many are missed. The people seem to be still indifferent to the duty imposed on parents under the Act to register all births. If parents were to give us intimation of the births of children the work of the staff would be much easier. Births.

I propose again to issue circulars on the subject, but it will be necessary to take action under the Municipal Act before the people become duly impressed with the necessity of registration of births.

68. At present the customs and religious-prejudices of the people forbid us from examining any dead body for ascertaining the proper cause of death and a great many deaths have therefore to be verified by enquiry only. Deaths.

69. The people to avoid disinfections, &c., give sometimes a different cause for death, while some die from the effects of treatment of household remedies. This is by no means satisfactory and I do not think that the registration can be perfectly accurate until something is done to ensure the production of a certificate.

70. Now that the people are aware of the facilities given to them for obtaining medical aid or a medical certificate, the production of a certificate from a qualified medical man should be made compulsory before a dead body could be buried or burnt. In cases where a certificate from a qualified medical man is not produced, the body should not be disposed of until the Health Officer has ascertained the cause of death. The medical men of Health Department should be empowered to examine the dead body.

71. Unfortunately we have had to deal with an epidemic of Small-pox in addition to a severe epidemic of Plague, which has imposed much hard work on the staff and is a severe test of the utility of the system. I am pleased to say that on the whole the staff have done their best to assist me, but, as much of the work was new at first, some difficulties arose which disappeared as they settled down to their work. I should like to take this opportunity of thanking all the District Registrars and their Assistants for the help given. The medical men in the City deserve our best thanks for their co-operation.

72. I hope that the coming year will show a great improvement in the Registration of Births and Deaths and in the health of the City.

PLAGUE REPORT FOR THE YEAR ENDING 31ST DECEMBER 1902.

ADMINISTRATION.

73. In the beginning of the year plague measures were carried out by the Military Officers appointed by Government under the supervision of the Health Officer subject to the

control of the Municipal Commissioner. By the end of March 1902 all the Military Officers reverted to Government, and the entire control of the Plague Administration was vested in the Health Department. This change was a desirable one in as much as now the influences affecting the health of the City come under the direct control of the Health Officer.

2.—Mortality.

1. The following statement gives a comparison of the mortality prevailed in the City from the year 1897 when Plague became properly indigenous:—

Year.	Attacks.	Deaths.	Total mortality excluding still-born
1897	13,314	11,003	47,896
1898	22,130	18,185	51,961
1899	19,451	15,796	56,434
1900	17,913	13,285	79,350
1901	21,006	18,736	59,495
1902	16,423	13,820	48,414

2. It will appear from the statement that the total mortality and the number of Plague attacks is the lowest since the year 1897. All those who have had experience of Plague in Bombay during the year 1897 will remember how the City was deserted by the people owing to the scare of Plague. More than five to ten thousand people used to migrate per day from Bombay, and in the epidemic season the population had been reduced by nearly half. It was at this time that the Mills had to stop work and all business in the City was paralysed. The emigration of the people in itself was enough to show a reduction in the mortality but there was another factor, *viz.*, compulsory measures for the removal of the patient and the disinfection of the infected locality. When these three conditions were present, the mortality ought certainly to decrease. As far as total mortality is concerned, I consider the year 1902 as a unique one in the history of Plague epidemic in Bombay. Considering the fact that the population of Bombay was full in 1902, and all Plague measures were voluntary and that Cholera, Small-pox and Measles were to some extent prevalent in the City it would appear that the mortality of 1902 is the lowest that was recorded in any previous epidemics (with the same unfavourable circumstances).

3.—Measures Adopted.

3. Government have after great consideration done away with the compulsory measures, and introduced voluntary measures directing us at the same time to follow a persuasive policy. This is no doubt a good system of combating a disease, provided the people understand the advantages offered thereby, and are willing to co-operate with the Health Officer. The difficulties that the Health Officer of an Indian City has to combat with are many and in Bombay where the population is a heterogeneous one and the habits of the people are in many cases contrary to sanitary principles, the difficulties are multiplied.

To add to these difficulties the powers of the Health Officer are limited.

It is under these disadvantageous conditions that I undertook the Plague operations and introduced measures with a view to getting earlier information of sickness and affording medical relief and a more accurate registration of the cause of death.

4.—Removal to Hospital.

4. Removal of patients to Hospital is a very important measure, provided the people understand the benefits derived therefrom. In India the tie of relationship is strong and there is an innate repugnance to Hospital treatment. The people would prefer to keep the patient under unskilled or no medical aid and hardly any nursing, rather than remove him to Hospital where the best medical aid and nursing are provided. If at all they remove a patient, it is only as a matter of necessity when the patient becomes unmanageable at home. A great many moribund cases are admitted into the Municipal Hospitals and this accounts for the high percentage of mortality in them. The people ought to prefer hospitals in their own interest and in the interest of the patient. When there is a case of sickness at home, some have to forego their daily work so as to attend on the patient and are in danger of contracting the disease. So long as the present practice continues, it will be difficult to control Plague.

5.—Home Isolation.

5. Another of the difficulties that we have to contend with in controlling Plague is the worst form of isolation of the sick person practised in Bombay. Government have abolished the measure of compulsory removal to hospital with a view to encourage "isolation" in the proper sense of the term. Instead of being a boon to the people, isolation has now become a scourge. The majority of the cases now put down for isolation are merely cases of non-removal. I am not against allowing persons to be treated at home provided all the sanitary precautions are taken.

It has its advantages as well as disadvantages. Strict isolation is the confinement of the patient to a well-lighted and ventilated room to which no one has access but the doctor and nurse. Instances are not wanting where proper isolation has done a great deal of good, but under the existing circumstances, *viz.*, poverty of the people, insanitary houses, and customs and habits of the people, it is not possible to carry out isolation at home. From No. 2 District, consisting of Market, Mandvi and Chukla, 85 persons suffering from Plague were removed to Hospital in all stages of the disease, of whom 45 died, giving a percentage of 53 per cent. There were 342 persons isolated in their own houses, of which 202 died, giving a percentage of 59. There was thus a difference of 6 per cent. in favour of hospital treatment as compared with home isolation. Take again District No. 7, comprising of Mazagon, Tarwadi and Byculla. Of the 487 cases removed to hospital, 103 recovered, whereas of the 2,162 cases allowed to be treated at home, there have been 301 recoveries. The percentage of recoveries in the hospitals is 21·15 per cent. against 13·92 amongst the so-called isolated cases.

In my opinion the consequences of allowing persons to be treated at home are serious, and the result has been increase of Plague mortality and in the spread of the disease.

Disinfection.

6. The disinfection operations were in force as in previous years.

No alteration was made during the year in the method of preparation of the concentrated solution of Acid Perchloride of Mercury for disinfection purposes.

The perchloride solution was issued in jars holding approximately 20 pints. Each jar contained 2 lbs. of Perchloride of Mercury and 3 pints of Hydrochloric Acid dissolved in water, the solution thus had a strength of 1 in 12 of Perchloride of Mercury. The solution in each jar was coloured with Aniline blue. As in former years 5 ounces of this concentrated solution were added to a bucket of water holding 380 ounces, giving a strength of 1 in 950 of Perchloride of Mercury for the diluted solutions used for disinfection in the City. The total number of jars issued during the year was 2,597, for the preparation of which 2 tons, 6 cwts., 1 qr., 14 lbs., of crystals of Perchloride of Mercury were used, and 974 gallons of Hydrochloric Acid.

Each packet of Perchloride of Mercury, as supplied by the contractors, was carefully tested to ensure the purity of the materials used.

Besides the disinfection by the mercurial solution as described above, we introduced disinfection by sulphur with a view to killing fleas, bugs, mosquitos, &c., that might be the means of conveying Plague bacteria from infected material. All infected clothing which could be obtained was sent to the Sterilizer.

There was no active opposition on the part of the people for disinfection but in great many cases there has been passive resistance for expeditiously carrying out the measure.

The people in numerous cases locked the infected rooms and tried their best to avoi disinfections. In Mahomedan houses the disinfection had in many cases to be postponed until the ziarat ceremony was over.

If disinfection with Perchloride of Mercury has any effect on infected material, disinfection as is done now ought to confer immunity from further infection from the infected room to the locality, because almost every house in Bombay has been disinfected over and over again, as the disinfections are done not only for Plague, but in case of Cholera, Small-pox, Measles, Scarlet Fever, Phthisis, Enteric Fever, &c. But it is impossible to disinfect by Perchloride of Mercury to have the same effect in all houses. What happens is that as soon as an infected house is disinfected, it is re-occupied by new tenants who bring infection from outside, or the place becomes re-infected from old infective material that was not offered for disinfection. Another unfavourable condition that goes to baffle our attempts at securing full advantages of disinfection, is the passive resistance of the people to prevent disinfection having its full effect as in many cases delay occurs while in the majority some infected material is hidden so as to prevent its being sent to the Sterilizer. A great many houses that we have to deal with have not seen the light of day, insanitary, damp and ill-ventilated. It would be mere waste of money to disinfect houses of this description and so long as they are allowed to be occupied in an overcrowded manner as is done at present, the Plague cannot be expected to be rooted out of Bombay. At present Plague has become endemic and drastic measures are necessary to combat the disease.

STERILIZERS.

7. Four Sterilizers were maintained by the Municipality during the epidemic period and were placed at convenient distances :—

Northbrook Gardens.
Modikhana Hospital.
Arthur Road Hospital.
Baboola Tank.

of these the last one was lent to the Government Laboratory during the slack months of the year. This has since been returned to us and re-erected at Maratha Hospital. In all 96,356 bundles of clothing were sterilized.

INOCULATION.

8. Inoculation is not met with favour by the people. The inhabitants of Bombay seem to have lost all faith in the protective effects of the prophylactic. The people, however, are given every facility by our staff to be inoculated. During the year 660 single and 522 double inoculations were performed in the City. I am informed that the inoculations are generally performed amongst merchant people who have to proceed to Hyderabad and other places on business and where the inoculation certificates are necessary to be produced for avoiding surveillance.

EVACUATION.

9. Early evacuation from infected localities is the most important of all Plague measures and one that can be relied upon as a preventive measure for Plague. Plague has became an endemic disease and substantial improvements are necessary to root out the disease. Unfortunately in Bombay there is no sufficient room near the business quarters of the poor people where they can be accommodated. If we could effectually evacuate half the population of Bombay for a period of six months in the year, carry out sanitary improvements in some of the worst localities and make them habitable, then we might be able to remove the cause of the continuance of the disease. The Municipality and Government have done a great deal to protect the people. 18 public camps were provided free of charge to poor people and nearly 23,000 people passed through them.

Every encouragement was given to private individuals and community people to erect camps. As far as practicable they were provided with ground, water, lighting and conservancy arrangements. 6,000 people accommodated themselves in the City on the Kennedy Sea Face and elsewhere and about 26,000 in the north of the Island.

The Millowners and employers of labour were persuaded to provide camps for their people and only a few complied with our request. If all the employers of labour were to provide suitable dwelling accommodation as they ought to do for their workmen, our task would not be so very heavy as at present.

The Improvement Trust, the Port Trust, and a few leading citizens have helped us and our best thanks are due to them.

RATS.

10. The mortality amongst rats prevailed during epidemic season, but the source from where they get the infection and how they spread the infection, whether the rats communicate the infection to man or they get infected from man, are problems that are unsettled with any degree of certainty. Anything that is said about this question is only a conjecture and experiments are still being carried on by me and I believe by the Research Laboratory Officers also. Some rats were sent to the Research Laboratory by us and in 34 cases the result of examination was positive, in 108 negative and in 5 the result could not be ascertained.

11. Plague is now endemic and by that I mean, it has become a disease of locality and does not occur in epidemics by being introduced from without and spreading only by personal contact or by means of infected material into uninfected localities.

12. The conditions of climate which affect other infectious diseases, naturally have some influence on the virulence of Plague, the evidence, however, that the variation in the climate of India has any direct influence on the micro-organism which is associated with Plague

is so slight as to be of no value. Whatever influence is at work in this direction, must be attributed to social and domestic and indirect effect of atmospheric conditions. What we do know of Plague is that it is a disease originally introduced from without.

13. It takes a certain time to become indigenous, it spreads by human agency and by infected animals. It is communicable from man to man by direct and indirect infection. It is communicable from man to rats and through rats to man. The infected material remains dormant in infected rooms and premises, in clothing and possibly grain.

Up to the present time the micro-organism has not been recovered from any of these sources outside the body and the evidence we have of its existence outside the body is only circumstantial.

14. The reason for this may be that Bacteriologists in searching for the Plague microbe have confined themselves to methods which only look for the organism as it exists in the blood or excretions of infected men or animals or in culture in the Laboratory, and have overlooked the fact that outside the body the microphyte may take on quite a different form and only become virulent when introduced into suitable media, then to develop into the organism which is familiar to the investigator in the body of the animal or man; that it can lie dormant in certain places and under certain conditions, resisting all influences until introduced into the system, is certain.

15. The immense field provided in Bombay for valuable research in this direction has not been taken advantage of. It appears incomprehensible to me that these opportunities have been so neglected and that Government have not caused constant and persisting research into the bacteriology of Plague outside the body. We know nothing more about the subject than we did in 1897.

16. We know that in Bombay the mortality from Plague rises from December till April and declines until December. During the cold season the people live indoors in overcrowded houses which have at one time or another been infected, living under circumstances which predispose them to attack of Plague. During the hot season the people, especially men, live practically in the open air and Plague declines; during the rains they again have to live indoors, but at this time the atmospheric condition must influence the spread of the disease as the same overcrowding exists, but the air is moisted, the rains keep the surface of the soil wet and heavy, and much infective material is got rid of by heavy rain, and the favourable condition for the spread of infection is temporarily arrested. After the rains are over, the atmosphere remains moist and heavy, but some time elapses before the vitality and virulence of the infective material recovers and the agencies, both human and animal, return. On the approach of the cold weather, the people return to their houses and remain there under conditions which are the result of the habits and customs regulating their lives.

17. The only really valuable method we have of checking the spread of Plague, is by removing the infected to hospital or thoroughly isolating them, and the contacts to an uninfected locality and preventing any communication with infected areas. In no case, where this has been thoroughly done, has Plague continued to spread. If we could remove 300,000 people from infected houses in Bombay for 6 months, isolate cases as they occur, keep the vacated houses empty, thoroughly disinfect them, demolish the insanitary quarters, prevent immigration from infected areas, Plague would be under control and soon disappear.

18. On a small scale this is what we are doing now, and the results show that Plague does not spread among people who leave infected areas for uninfected camps unless introduced from without. The same rooms which are vacated and disinfected are again re-infected either by new tenants or by old infective material which no disinfection can reach or from an adjoining room either by rats or vermin or by the dormant organisms. The same houses are disinfected every year and many times while Plague recurs. We must therefore consider it a disease of locality and endeavour to find some means of reducing its vitality by abolishing the places where it thrives and thus gradually exterminating it.

19. The geographical position of the City is such that great difficulties arise. The commercial prosperity and the facilities for the working classes being close to their work, have to be considered. Their wages being low, the cost of food not decreasing and rents rising, it is impossible to expect those people to willingly go away from their work, unless there is some compensating condition. The north of the Island could provide space for thousands, but for five months in the year is either under water or cultivation. Both of these difficulties could be removed by enterprising engineering and the distance the people have to travel lessened by cheap trains and trams. To do this will take some years, in the meantime the conditions favouring Plague remain.

20. The inspection, improvement and demolition of insanitary buildings were carried out by the Executive Engineer.

Administration of the Health Department.

74. For the purpose of sanitary administration the City is divided into 4 Divisions of 32 Sections.

(1) In each Division a Health Officer is appointed, who is responsible for the working of his Division under the Executive Health Officer. These Divisions are cut up into Wards and Sections, having its own office, stables and staff.

(2) I regret to have to report on the death of one of the Divisional Health Officers Mr. J. Leask, who had been in the Health Department over 18 years and his loss will be greatly felt.

(3) In my last Annual Report I mentioned that much of the time of the Divisional Health Officer was taken up by routine conservancy work and that the investigation into the cause and control of all infectious diseases had been taken out of his hands. Since then the Divisional Health Officer, in addition to the work of supervising the conservancy work, has immediate control of all sanitary work of his Division, which naturally gives him greater scope for inquiring into causes affecting the health of the people.

(4) The City is now divided into 3 Divisions—No. 1 under Dr. Cayley, comprising A, B and C Wards. Population 376,624; No. 2 under Dr. Venis, comprising D and E Wards. Population 258,281; No. 3 under Dr. Sorab C. Hormusji, comprising F and G Wards. Population 141,101.

(5) I requested each Divisional Health Officer to submit to me a report on the health condition of his Division.

This is a new departure, but one which, I think, will be useful as the Divisional Health Officer will have an opportunity of comparing the conditions of his Division with the others and making suggestions for its improvement. I have thus been able to collect material affecting the local conditions in the City, which will be of value and will be made subjects of reference in future reports.

Conservancy of the City.

75. In my last Annual Report I went fully into the question of the conservancy and drainage and mentioned several headings under which improvements could be made.

Conservancy System.

No actual improvements have taken place in the methods during the year. Committees were appointed to consider my suggestions and sat several times and called for further information. The chief points considered were—

1. To improve or do away with the hand removal of night-soil.
2. To remove refuse by rail from the City direct by providing loading sidings at Colaba and Carnac Bridge.
3. The provision of more pail depôts.
4. A better form of privy.

Many reports have been made and much correspondence has taken place on these subjects which are still under consideration.

Foods inspection and Milk and Ghee Supply.

A Committee sat several times to consider these questions and it was decided to request Government to amend the Act relating to the adulteration of foods, milk and ghee.

House Drainage.

Much has been done in this direction during the year, but the subject is a very important one and requires a great deal of careful attention. Many difficulties occur which do not arise in European Cities, and the Committee now sitting will no doubt come to some definite conclusion as to whether the system of house drainage now prevailing is the most suitable or whether it cannot be improved upon. This question is so intimately connected with the hand removal of night-soil that they must be considered together and some means devised for a better and more efficient receptacles and more expeditious and cleanly method of removal. I have made suggestions on these points which are being considered.

Housing of the Labourers employed in the Health Department.

Nothing definite has yet been done to provide suitable accommodation for over 7,000 men and women working in the Health Department.

Housing of the Poor and Overcrowding.

This is one of the most important questions the Corporation have to deal with. I have made many reports on the overcrowding in the City. This overcrowding and badly ventilated houses are the chief causes of high mortality. The Improvement Trust in order to open up the City have demolished many houses and have not as yet provided for the displaced population. This increases the overcrowding in the remaining houses and the area on which the new houses are to be erected will be much less than before the demolition owing to the making of new streets. Schemes for improving the City must necessarily press severely on the poorer classes unless accommodation is provided for them. The rents of the improved area rise and the people have to crowd together in order to pay the increased rent.

The only permanent remedy for overcrowding is the cheap dwellings for the poor in those parts of the City where land is cheaper and facilities given to the labouring classes to get backwards and forwards to their work by special working men's trains at cheap fare. I have already approached the Railway Company on this question but without any satisfactory result.

The Improvement Trust has put forward a scheme for developing the north of the Island where land is cheaper and where the poorer classes could live under healthy conditions. This scheme included the development of land in the centre of the Island and on the shore at Mahim and would have been of the greatest value in relieving the congested City. Government however have only sanctioned part of the scheme, and that part of the proposal which would have let fresh air into the newly built houses has been curtailed. Any scheme for building houses on small areas to which the sun and air cannot get as a sanitary measure is doomed to failure. What the people want is air and sun and more space and any scheme which does not provide these cannot be considered as an improvement to the sanitary condition of the City.

Milch-Cattle Stables.

In my last Annual Report I mentioned how some difficulties existed in the control of these stables and suggested remedies including amendment of the bye-laws. These suggestions are being considered and when they are adopted, greater facilities will be given to the Health Department for controlling these stables. I have had a list of these stables, and all dairies, milk shops, and milk sellers made out with a view of keeping a check on them.

As milk is one of the most important articles of food in the City, the strictest precaution should be taken to preserve its purity. This is a very difficult matter in Bombay where buffaloe stables exist in many insanitary conditions and the climate is so favourable for early decomposition. I have made proposals to register all milk sellers and to have constant supervision and regular analysis made of milk, ghee and butter.

Hospital Accommodation for Infectious Disease.

In my last report I said that extra provision would have to be made on the outbreak of infectious disease. Unfortunately this proved to be the case and temporary accommodation had to be provided at Arthur Road for Small-pox. A report of the Arthur Road Hospital is given in this report. The Maratha Hospital and Modikhana Hospital solely for Plague did very valuable service. A report on each is appended.

Municipal Laboratory and Analyst.

This question was delayed pending the decision of the Corporation on the re-organization of the Health Department, but has now been sanctioned, and articles of food, milk, butter, ghee, drugs, and disinfectants will now be analysed by us in addition to water and bacteriological investigations in connection with infectious diseases.

Sanitary Inspectors.

During the year classes of instructions were held by the Divisional Health Officers and myself, assisted by Mr. C. C. James, Drainage Engineer. Twelve Government students and the Inspectors of the Health Department attended the classes, indoor and outdoor lectures and demonstrations for six months and an examination was held in July, at which we were assisted by the Deputy Sanitary Commissioner, Lieut.-Col. Channer, I.M.S. Certificates were given to those who passed the test satisfactorily.

76. One prosecution was instituted by the Divisional Health Officer, No. 4 Division, in which conviction was obtained. Adulteration of Ghee.

Conservancy System.

77. The scavengering, drain cleaning, and night-soil removal worked satisfactorily, and a statement of the work in connection with this Department is appended.

78. The total expenditure on the Health Department came to Rs. 19,91,233-3-9 and the income to Rs. 8,98,929-3-11, the actual cost of the Department to the Municipality was, therefore, Rs. 10,92,303-15-10.

79. On the average 7,011·30 men and women, and 1,248·34 scavengering and drain carts and 193·81 night-soil and cess-pool carts were at work each day in 1902.

80. 349,925·50 tons of garbage, equal to 958·51 tons a day, were collected and removed and disposed of against 354,853 tons of garbage in 1901.

81. 178,881·03 tons of night-soil and cesspool matter, equal to 490·13 tons a day, were collected and removed as against 179,022·60 tons in 1901.

82. 77·60 miles of covered drains were opened and cleaned against 131·54 miles in 1901.

83. 3,508 notices and 1,805 summonses were issued against 3,485 notices and 2,404 summonses in 1901.

84. The amount of fines recovered amounted to Rs. 2,147-8-0 against Rs. 1,755-0-0 in 1901.

85. 1,706 building plans were received and disposed of against 1,719 in 1901.

86. The water-supply of the whole City was analysed by Dr. Cayley, Divisional Health Officer, No. 1, chemically and bacteriologically every month, and the results were reported to the Standing Committee through the Municipal Commissioner.

As compared with its condition in 1900 and 1901 there was a marked improvement in the Tulsi water. The Vehar water on the contrary showed a small increase in the amount of vegetable organic matter in solution.

The Tansa water continued to be of the same good quality as it was in 1901.

TABLE showing the Record of the Important Work done during the year 1902 :—

1901.	Details.	1902.
Rs. 8,83,706-1-9	Total income of the Health Department	*Rs. 8,98,929-3-11
„ 19,70,677-9-4	Total ordinary expenditure on different heads	* „ 19,91,233-3-9
„ 10,86,971-7-7	Cost of the Health Department to the Municipality	* „ 10,92,303-15-10
No. 6,941·28	Average number of men and women daily at work	No. 7,011·30
„ 1,232	Average daily working strength, carts, scavengering and drain-cleaning	„ 1,248·34
„ 205·07	Average night-soil and cess-pool carts	„ 193·81
„ 3.485	Notices issued	„ 3,508
„ 2,404	Summonses issued	„ 1,805
Rs. 1,755-0-0	Amount of fines inflicted by Magistrates	Rs. 2,147-8-0
Tons 354,853	Total amount of garbage collected	Tons 349,925·50
„ 972·61	Average tons per day	„ 958·51
„ 1,79,022·60	Night-soil and cess-pool matter collected	„ 178,881·03
„ 490·36	Average tons per day	„ 490·13
Miles 131·54	Miles of covered drains opened and cleaned	Miles 77·60
Rs. 4,933-4-0	Amount received for sending carcasses to Coorla	Rs. 5,440-0-0
No. 10,890	Total animals sent to Coorla	No. 12,339
„ 11,559	Total number of graves in Haines Road Cemetery	„ 9,322
Rs. 5,851-10-0	Amount received for digging graves	Rs. 4,535-8-0
„ 17,247-0-0	Amount of Dhobiwada fees	„ 17,200-0-0
No. 1,719	Building plans received and disposed of	No. 1,706
„ 4,316	Number of cremations at the Haines Road Cemetery at Municipal expense	„ 2,338

* The figures are for the official year commencing from 1st April 1902 to 31st March 1903.

Statement No. I.

TABLE showing Works performed by the Health Department during the year 1902.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Carts emptied at Pardeo Flats and other places	60,511½	52,126½	56,838	56,900½	60,004	57,792½	58,151	52,838	52,012	57,531½	56,581	60,907½	682,194 Deptl. / 37,755 Private } 719,949
Night-soil and cess-pool carts emptied	13,781	12,368	13,081	13,000	13,432	12,450	13,415	13,011	12,234	12,618	12,257	12,660	154,307 Deptl. / 8,273 Private } 162,580
Night-soil baskets emptied	196,253	177,410	195,578	189,873	197,150	190,894	200,335	204,196	194,910	204,969	198,381	204,527	2,354,376
Covered drains opened and cleaned (in feet)	103,915	95,786	72,959	76,167	76,516	71,009	67,436	65,337	69,630	70,671	77,500	77,971	924,897 feet.

Statement No. II.

STATEMENT of SUMMONSES issued under Bombay Municipal Act, III of 1888, and also under the Bombay Prevention of Adulteration Act, No. II of 1899, during the year 1902.

Offences.	Section of Act.	Conviction.	Dismissed.	Withdrawn, Offences having ceased.	Total Summonses.	Amount of Fines. Rs. a. p.
For not providing water-closets, privy or urinals	248	28	9	7	44	68 0 0
Do. constructing do. do. for the use of work-people	249	4	3	...	7	5 0 0
Do. providing air space between privy and building or place used for human habitation, &c.	250	6	1	2	9	3 0 0
Do. repairing, trapping, ventilating, paving, &c., drain, privy, &c., &c.	257	336	24	84	444	169 0 0
For altering, fixing, renewing, rebuilding, changing, stopping up, or destroying any drain, ventilating shaft or pipe, &c., without permission	258	19	5	...	24	34 0 0
For accumulating or allowing to accumulate dust, ashes, refuse and rubbish or excrementitious or polluted matter on premises, &c.	372	51	7	14	72	106 8 0
For not requiring buildings to be limewashed or otherwise cleansed	375	665	66	140	871	792 0 0
For not cleansing, clearing or enclosing house or land	377	105	57	32	194	171 0 0
Do. do. pool, ditch, tank, pond, well, quarry-hole, low ground or stagnant water	381	10	8	4	22	19 0 0
For keeping animals or feeding animals with filth, &c., so as to be a nuisance	384	73	15	21	109	727 0 0
For washing clothes at a place not appointed for the purpose	397	...	...	1	1	.....
For bringing into the City without permission of the Commissioner flesh of an animal which was not slaughtered at any slaughter house or place maintained or licensed by the Commissioner	412	...	...	2	2	.....
For not complying with notices after conviction	472	5	...	...	5	3 0 0
Prosecutions under the Bombay Prevention of Adulteration Act, No. II of 1899	.....	1	...	...	1	50 0 0
Total ...	.....	1,303	195	307	1,805	2,147 8 0

Statement No. III.

STATEMENT showing the Number of NOTICES served under various Sections of the Bombay Municipal Act, III of 1888, during the year 1902.

Requirement of Section.	No. of Section.	Complied with.	Not complied with.	Pending.	Cancelled.	Total.
Provide privy and urinal accommodation for the use of tenants	248	6	28	13	6	53
Construct privy for the use of work-people	249	...	4	2	1	7
Shut up privy from public view	250	6	9	2	2	19
Cleanse, repair, &c., drains, privies, &c....	257	385	437	81	22	925
Lime-wash buildings	375	661	970	247	56	1,934
Cleanse and clear the premises or enclose the same	377	148	175	32	17	372
Clean, fill up wells, tanks, &c.	381	8	26	4	7	45
Discontinue removal of sand stones	382	1	...	...	...	1
Disinfection of buildings, &c.	425	14	11	17	4	46
Notices after conviction	472	54	36	7	9	106
Total ...	...	1,283	1,696	405	124	3,508

Statement No. IV.

Number of bullocks of the Health Department during the year 1902		2,951
Died and destroyed during the year	198	346
Cast and sent to Pinjrapole do.	148	
Percentage of loss amongst bullocks	11·7	
Number of bullocks on 1st January 1903		2,605
Number of horses of the Health Department on hand on 1st January 1902...	12	13
Purchased during the year...	1	
Died do.		2
Number of horses on 1st January 1903		11
Number of mules of the Health Department on hand on 1st January 1902	5	5
Purchased during the year	*Nil.*	
Died do.		2
Number of mules on 1st January 1903		3

STATEMENT showing the causes of Deaths amongst the Bullocks of the Health Department during the year 1902.

No.	Diseases.	Number of Deaths.
1	Diseases of the Circulatory system	19
2	Do. Respiratory system	37
3	Do. Digestive system	46
4	Do. Nervous system	1
5	Do. Urinary organs	3
6	Tuberculosis	3
7	Foot and mouth disease	1
8	Cancer horn	4
9	Fracture	3
10	General debility	24
11	Old age	54
	Total ...	198
	Bullocks cast and sent to Pinjrapole	148
	GRAND TOTAL ...	346

JOHN A. TURNER, M.B., D.PH.,
Executive Health Officer.

PUBLIC HEALTH DEPARTMENT,
BOMBAY, *3rd June* 1903.

5.—REPORT OF THE WORKING OF THE MUNICIPAL HOSPITAL FOR INFECTIOUS DISEASES AT ARTHUR ROAD FOR THE YEAR 1902.

I.—Administration.

1. In conformity with the report of the Executive Health Officer, the present report deals with the calendar year 1902 only. The hospital restricted its admissions to all infectious diseases, other than plague, only 26 cases of which were admitted under suspicion, and most of whom were transferred to the Maratha Hospital.

II.—Grounds and Buildings.

2. The total accommodation remained at 200 beds; all the buildings, &c., were kept in a proper state of repair. Conservancy and water-supply were efficient as usual.

III.—Medical Staff, Establishment and Nurses.

3. The same medical and nursing staff as during the latter half of 1901 continued working. The menial establishment was augmented to 15 ward boys, 4 ayahs, 3 cooks, 2 dhobies and 13 sweepers when the number of patients increased in March; the maximum number of patients on any day was 143 on the 14th of March. The establishment was reduced in May and June as usual.

IV.—Medical History of the Year 1902.

4. *Plague.*—The epidemic of 1902, which terminated as usual about the beginning of June, has been referred to in the last report. It was not, however, followed by any great recrudescence during the monsoon, and the city enjoyed, after many years, a few months of practical, if not total, abeyance of plague and other infectious diseases. Sporadic cases continued to occur until the next epidemic which began in January 1903. This was in marked contrast to our previous experience since 1897, which has shown that plague generally recrudesced unless cholera was epidemic.

5. *Relapsing Fever.*—There was a considerable decline in the numbers of admissions from this disease, due partly to the abolition of compulsory isolation, but mainly on account of the famine conditions having become almost extinct and the consequent lesser influx of the destitute into the city.

6. *Cholera.*—Only a few sporadic cases occurred during the year.

7. *Small-pox.*—Small-pox was more in evidence than during 1901.

8. The year 1902 was far healthier than the previous year, the total mortality of the city amounting to 48,414 against 59,495 in 1901 and 79,350 in 1900.

V.—General Statistics.

9. The demand upon the hospital in 1902 was less than during any year subsequent to the outbreak of plague. The admissions numbered 995 only as against 1,624 in 1901; the latter included 429 plague cases as against 26 only during 1902.

The following table indicates the details of admissions month by month :—

	Plague.	Relapsing Fever.	Cholera.	Small-pox.	Chicken-pox.	Measles.	Observation cases.	Total.
1902.								
January	4	68	2	20	7	...	23	124
February	9	78	...	47	18	...	26	178
March	4	64	3	24	38	1	21	155
April	4	34	1	21	4	1	25	90
May	...	37	2	16	...	11	11	77
June	...	14	...	5	1	1	13	34
July	2	9	...	4	...	...	21	36
August	1	19	1	11	...	1	13	46
September	...	21	1	1	...	...	28	51
October	...	30	...	2	...	6	21	59
November	1	37	...	3	...	11	20	72
December	1	36	...	8	1	9	18	73
Total ...	26	447	10	162	59	41	240	995

VI.—Relapsing Fever.

10. The admissions numbered 447 only as contrasted with 799 during the previous year. The causes for the lesser admissions have been already referred to.

11. The case mortality rate was 40·04 per cent. as against 43·80 during 1901; the usual causes operated in determining the higher mortality rate, *viz.*, late admissions, phthisis, pneumonia and diarrhœa.

12. It has not been possible to complete the investigation into this disease which was begun last year on account of the pressure of other duties, and the continuous charge of two hospitals subsequent to the completion of last year's report has interfered with its further progress.

13. The maximum number of admissions was during the first three months of the year. The total for the year was 447, of whom 179 died and 268 recovered, the rate of mortality being equivalent to 40·04 per cent.

14. All the patients except 60 were Hindus; the latter comprised 54 Mahomedans, 3 Native Christians, and 3 Beni-Israels. The mortality rate in the various races was practically the same as during the previous years.

VII.—Cholera.

15. There were 10 admissions from cholera as against 26 during the previous year. 7 patients recovered and 3 died.

VIII.—Small-pox.

16. The admissions from this disease numbered 162 as contrasted with 94 during 1901. There were 47 deaths and 115 recoveries, equivalent to a mortality rate of 29·01 per cent.

17. Of the various races comprised in the above, the Goanese contributed 89 cases, Hindus 58 and Mahomedans 15.

18. Reference has been made in the previous reports on the influence of vaccination in modifying the mortality rate of the disease, and the same striking differences have been again noticed in the year under report.

19. *Chicken-pox and Measles.*—These diseases were responsible for 59 and 41 admissions respectively. There were no deaths among the former, and of the latter only 9 succumbed.

20. *Observation Cases.*—There were 240 admissions as against 200 during the previous year.

21. *Conduct of the Staff.*—The staff worked satisfactorily as usual.

N. H. CHOKSY,

Special Assistant Health Officer.

ANNUAL REPORT OF THE MODIKHANA HOSPITAL—1902.

This Hospital was first opened by the Bombay Plague Committee in January 1898 and has been always kept open since.

As usual the Parsee Ward was kept open throughout the year with a maximum staff of 2 ward boys and 2 ayahs; all the expenses regarding the staff, as well as the clothing and the extra articles of diet for the patients, being defrayed as before by the Parsee Punchayat Trust.

The following Lady Nurses worked at the Hospital during the year :—

Miss Rait, Miss Johnson, Miss Ankett, Miss Platts, Miss Boyd, Miss Winscome.

These ladies rendered valuable assistance, and their zeal and devotion to their work deserve every praise. The Hospital Assistant and all the staff worked in a most satisfactory manner.

The conservancy and the disinfection arrangements of this Hospital remain as before, and have been described in detail in the previous reports.

Clinical Notes.

General Remarks.—Clinically no fresh symptoms or features were observed during the year. The cases admitted were of as virulent a type as in any of the previous years, a large majority being admitted when the disease was far advanced. This is owing to the fact that generally some medical treatment is carried out in these cases in their own houses, and that only when the patient gets delirious, making it impossible for his relatives to manage him, that, as a last resource, he is allowed to be taken to a hospital. While patients seeking voluntary admission, even when coming early, were generally brought walking, and consequently were found in a more or less collapsed condition on admission. There appears to be still some dislike for the hand ambulances, and probably an ambulance of the pattern of a hack victoria might be better appreciated.

Treatment.

Internally stimulants as Ammonia, Strychnia, Caffeine, Stroplanthus, Digitalis, Belladonna, Acid Carbolic, Rum and Brandy, Bromide, and Hyoscyamus for delirium and large doses of Calcium Chloride to prevent the spread of infiltration.

A trial is being given to a new serum prepared by Prof. Terni, of Messina. The treatment with this serum was commenced on the 5th of November 1902, and is being carried out by Dr. Costello of the Plague Research Laboratory, and a detailed report upon the results of the experiments will in due time be submitted by him to Government. Up to the end of the year 19 cases were taken. As usual every alternate plague case received the serum, the intermediate cases being taken as controls. While all those cases which were either convalescent or in a moribund condition at the time of admission, as well as of course those that refused the serum, were excluded from the series altogether. The Terni cases received, in addition to the serum, the same medicinal stimulant treatment as the controls. The following is the result of the cases treated :—

	Serum.	Control.
Died	14	13
Cured	5	6
Total ...	19	19

The doses varied from 50 c.c. to 880 c.c. The injection of the serum was not followed by any beneficial effect upon the temperature, pulse, respiration or the general condition of the patient, and the serum did not appear to have any effect upon checking the spreading of infiltration around a tube.

It would be interesting, in view of the latest researches, to now give a trial to an antitoxin serum with the addition of fresh blood serum to it to supply the "complement" found wanting in the former.

The hospital statistics for the year showing the number of admissions, deaths, cures, &c., among the various castes and other tables are hereto appended, as well as detailed particulars of cases treated with Terni's serum, and their corresponding controls until the end of the year under report.

D. A. TURKHUD,

C. M. O., Modikhana Hospital

Statistics, Modikhana Hospital, for the year 1902.

Disease.	Admission.	Death.	Recovery.	Percentage of Death.
Plague	425	303	108	71·2
Observation	440	127	306	37·9
Total...	865	430	414	.....

Under treatment on 1st January 1903, 21.

Plague and Observation Cases.

Months.	Admission.	Died within 24 hours.	Died within 48 hours.	Total Deaths.	Recovery.	Percentage of Deaths.
January	111	8	14	47	33	42·3
February	114	18	11	66	38	57·8
March	139	24	19	93	53	66·9
April	111	14	8	57	58	51·3
May	61	4	6	31	38	50·8
June	36	6	1	17	28	47·2
July	22	2	1	7	12	31·8
August	37	3	2	11	27	29·8
September...	56	5	7	25	27	54·3
October	61	4	3	22	37	36·06
November...	63	7	8	31	34	49·2
December...	54	6	4	23	29	42·6
Total...	865	101	84	430	414	.....

Plague.

Months.	Admission.	Died within 24 hours.	Died within 48 hours.	Total Deaths.	Recovery.	Percentage of Deaths.
January	57	8	12	32	5	56·1
February	67	16	10	46	15	68·6
March	83	23	17	73	15	87·4
April	49	12	7	39	17	79·5
May	23	4	6	19	7	82·6
June	15	6	1	12	9	80·0
July	8	2	1	4	2	50·0
August	15	3	2	9	5	60·0
September...	23	5	6	16	7	69·5
October	25	4	3	11	7	44·0
November...	29	7	8	26	8	89·5
December...	31	6	4	16	11	51·6
Total...	425	96	77	303	108	.....

HINDUS.

Sex.	Admissions.	Deaths.	Recovery.	Percentage of Deaths.
Males	474	256	209	54·0
Females	77	40	34	51·9
Children	57	14	40	24·9
Total...	608	310	283	.....

MAHOMEDAN.

Sex.	Admissions.	Deaths.	Recovery.	Percentage of Deaths.
Males	112	43	65	76·7
Females	17	10	7	51·9
Children	5	2	3	80·
Total ...	134	55	75	.....

CHRISTIANS.

Sex.	Admissions.	Deaths.	Recovery.	Percentage of Deaths.
Males	39	20	19	51·2
Females	15	10	5	66·6
Children	8	5	3	62·5
Total ...	62	35	27	.....

PARSEES.

Sex.	Admissions.	Deaths.	Recovery.	Percentage of Deaths.
Males	29	16	11	55·1
Females	14	8	6	57·1
Children	10	5	5	50·0
Total ...	53	29	22	.....

JEWS.

Sex.	Admissions.	Deaths.	Recovery.	Percentage of Deaths.
Males	1	.....	1	.....
Females	4	1	3	25·0
Children	3	.....	3	.....
Total ...	8	1	7	.....

Situation.	Number of Cases.	Males.	Females.	Children.	Mortality.	Recovery.	Percentage.
Cervical	8	4	2	2	6	2	75·0
Parotid	4	3	.....	1	3	1	75·0
Right Axilla	23	18	3	2	18	5	78·2
Left Axilla	32	20	7	5	21	9	65·6
Right Femoral	56	42	7	7	35	21	62·5
Left Femoral	71	60	7	4	54	17	76·05
Right Inguinal...	25	18	3	4	19	7	76·0
Left Inguinal	35	24	5	6	26	8	74·2
Other Situations	8	3	2	3	1	4	12·5
No Bubo	82	72	9	1	59	14	71·9
Multiple Bubo	81	63	9	9	61	20	75·3
Total ...	425	327	54	44	303	108	.....

REPORT OF THE MARATHA PLAGUE HOSPITAL FOR THE YEAR 1902.

1. Unlike the previous reports, the present report deals with the calendar year 1902. Dr. Dady Burjor was the Chief Medical Officer up to August, and as I took over charge in September only, I am not in a position to say much about the sixth epidemic of plague. The main facts of the present report are therefore derived from Dr. Dady Burjor's report for the year ending 31st May 1902.

2. *New Buildings.*—Five new buildings and one gateway were added during the year to the permanent structures of the hospital:—

(*a*) Two buildings presented by Begum Mumtaz Jahan Nassurullakhan and dedicated to Her Excellency Lady Northcote, for use as office room and dispensary for the Vaidya and Hakim.

(*b*) One building for quarters for nurses, presented by Mrs. Harischandra P. Pitale and dedicated to Lady Lawrence Jenkins.

(*c*) Two sets of quarters for the friends and relatives of Mahomedan patients, presented by His Highness Sir Sultan Mahomed Shah, Aga Khan, G.C.I.E., and Aga Mirza Mahomed Shirazi, Esquire, J.P., respectively.

(*d*) One gateway presented by Mr. Teju Kaya.

Nursing.

3. *The Nursing Staff.*—It consisted of seven English nurses and one local nurse.

General Statistics.

4. The total number of admissions was 1,521 as against 3,070 during 1901. The following statement compares the admissions into this Hospital from 1898:—

Table 1.

Diseases.	1898.	1899.	1900.	1901.	1902
Plague	1,538	3,118	2,098	1,518	1,258
Relapsing Fever	229	231	520	447	39
Small-pox	.....	.....	595	1	.....
Chicken-pox	.....	.....	28	3	.....
Measles...	.....	.....	13	1	.....
Cholera...	.....	.....	130	.....	.....
Observation Cases	731	951	1,477	700	224
Total ...	2,498	4,300	4,861	3,070	1,521

From the foregoing statement it will be noted that there has been a considerable falling off in the number of admissions since the cessation of all coërcive measures in plague administration. There has been a steady decline in the number of plague admissions and much more so in the so-called observation cases, that mounted up to 1,477 in 1900 as compared with 224 only during the current year.

5. The cases treated during the year were divisible into Plague, Relapsing Fever and Observation. The details of admissions, deaths, &c., are as follows :—

One hundred and sixty-one patients were transferred to the Arthur Road Hospital, 36 of whom were diagnosed as Relapsing Fever before transfer :—

TABLE 2.

Diseases.	Admitted.	Died.	Recovered.	Percentage of Mortality.
Plague	1,258	1,026	232	81·55
Relapsing Fever...	39	26	13	66·66
Observation Cases	63	28	35	44·44
Total ...	1,360	1,080	280	79·41

The case mortality in plague was 81·55 per cent., and was therefore not higher than the average of the previous years.

6. The following table shows the details of admissions month by month together with the other usual particulars. The largest number of admissions was during February and March. The highest mortality occurred in May, when it reached to 90·19 per cent.

Months.	Admissions.	Deaths within 24 hours.	Deaths within 48 hours.	Total deaths.	Recoveries.	Percentage of Mortality.
January	188	53	50	159	32	82·97
February	331	92	67	257	74	77·64
March	369	107	66	310	59	84·01
April	171	59	34	141	30	82·45
May	51	22	8	46	5	90·19
June	12	2	3	9	3	75·00
July	17	5	4	11	6	64·70
August	18	9	4	15	3	83·33
September	17	6	1	12	5	70·58
October	37	12	9	33	4	89·21
November	22	7	2	18	4	81·81
December	25	13	4	18	7	72·00
Total ...	1,258	387	252	1,026	232	81·55

DEATHS WITHIN 48 HOURS OF ADMISSION.

7. The percentage of deaths occurring within 48 hours of admission has remained steady at about 62·00 per cent. throughout all these years. There is, however, some difference between the epidemic and inter-epidemic periods. For instance, though the ratio for the whole year was 62·28 per cent. from January to May it was 61·31 per cent., as contrasted with 69·82 per cent. from June to December. This indicates that although the epidemic subsides the incidence of mortality in sporadic cases is not less, and the cases are just as virulent as ever. The average ratio from 1898 to 1902 at this Hospital was 61·70 per cent., whereas at the Arthur Road Hospital it was 64·86 per cent., showing that a larger proportion of advanced and moribund cases were sent to that institution. But the fact remains that *out of every* 100 *deaths from plague in our public hospitals, about* 62 *deaths occur within* 48 *hours of admission.* It is those alone who have to work by the bed side, day after day, who can adequately realise how almost hopeless is the struggle between life and death amongst those who remain alive after this fatal period, and what untold vicissitudes bar the progress to ultimate recovery. And yet, strange to say, we are asked to achieve therapeutic miracles by drugs and serums with such material as these, and in spite of our accumulated experience of seven epidemics.

Plague.

8. The sixth epidemic was of about the same virulence as that of the previous year, and the nature of the cases admitted did not markedly differ from those that I have described in my report of the Arthur Road Hospital for 1900-1901. Septicæmic cases and multiple buboes preponderated. Dr. Alfons Mayr of the Municipal Laboratory made a systemic examination of the blood of the plague patients, and examined 1,014 specimens by culture. He found that the percentage of septicæmia on admissions was 43·09 as against 45·00 per cent. observed at the Arthur Road Hospital during the previous epidemic.

Mixed Infections of Plague and Relapsing Fever and other Affections.

9. There were thirteen cases of this double infection, of whom six recovered and seven died. All of them were diagnosed and bacteriologically verified by Dr. Mayr, and any doubts that may have previously existed on the subject have been set at rest by the combined experience of the Maratha and Arthur Road Hospitals during the last four years. It may be now safely asserted that as in other diseases, so in plague, it is possible for two infections to run concurrently. I have observed the concurrence of small-pox, chicken-pox, measles and relapsing fever with plague, and I think it probable that in some instances at least typhoid infection may be a concomitant of plague also.

Racial Statistics.

10. The Hindus comprised by far the largest proportion of admissions, *viz.*, 953, the Mahomedans 239, and Native Christians 65. The subjoined table gives the details of the admissions together with the mortality rates :—

Race.	Admitted.	Died.	Recovered.	Percentage of mortality.
Hindus	953	808	145	84·78
Mahomedans	239	170	69	71·13
Native Christians...	65	47	18	72·30
Israels	1	1	.....	100·00
Total ...	1,258	1,026	232	81·54

The mortality rate amongst the Hindus was the highest, 84·87 per cent., and the Mahomedans and Native Christians had as usual a lower mortality rate, between 71·00 and 72·00 per cent.

Statistics by Sexes.

11. There were 834 males, 274 females and 150 children admitted for plague, and the ratio of mortality amongst them was as usual highest in the males and lowest among the children as the following table indicates :—

Sexes.	Admitted.	Died.	Recovered.	Percentage of mortality.
Males	834	707	127	84·77
Females	274	219	55	79·92
Children	150	100	50	66·66
Total ...	1,258	1,026	232	81·54

Treatment.

12. The treatment adopted by the late Medical Officer during the epidemic consisted of stimulants, salol, and soda sulphocarbolas. A few patients were treated with Lustig's serum by Dr. Mayr. As there was no serum available when I took charge in September, and as we

had, sufficient experience with the stimulant line of treatment, I decided to make some radical changes in the treatment hitherto adopted. With the view to induce hyperleucocytosis in the blood and to observe its effects in plague infection, the hypodermic injection of the cinnamate of sodium suggested itself, but as the preparation was not obtainable in Bombay, it was replaced by the internal administration of the decoction of cinnamon, prepared in vacuo by Messrs. Kemp & Co. This was done with a twofold object. Firstly, to observe whether the hyperleucocytosis so induced would in any way modify the course of the disease or favourably influence it, and, secondly, to combine it with serum-therapy, if any serum were available. The latter object could not, however, be achieved on account of the absence of any facilities for procuring more serum. As regards the first object, the observations during the year were too limited to allow of any deductions, and as the same line of treatment has been continued during the epidemic of 1903, further details will be furnished in the next report.

13. Simultaneously and for reasons that will be detailed hereafter, the routine use of alcohol was at first restricted and subsequently altogether abandoned. This radical change did not appear in any way to prejudicially effect the patients, or increase the rate of mortality; and it was noticeable that delirium could be more easily controlled by the very drugs that proved either inefficacious or even harmful when the patients used to be given alcohol largely, *i.e.*, morphia chloral, &c. These were more freely resorted to and with greater benefit.

14. Cardiac stimulants in the shape of a combination of caffeine spartein, strychnine and atropine combined in one formulæ and a 10 per cent. solution of camphor in olive oil and ether in another constituted the only means of keeping up the action of the heart. They were applied hypodermically as necessary, and the only drug used by the mouth was the decoction of cinnamon above referred to.

Lustig's Serum.

15. Two series of observations with Lustig's serum were conducted by Dr. Mayr, and although one of them was confined to the previous year, it would be of interest to compare both the series:—

(*a*) From August to December 1901, Dr. Mayr treated 44 cases on a modified system of selection, *i.e.*, only the most acute cases within the first five days of illness were selected for treatment. 31 cases died and 13 recovered—the mortality rate being equivalent to 70·45 per cent. During the same period 179 patients were under ordinary English treatment, who showed a mortality of 82·00 per cent. There was thus a difference of 11·05 per cent. in favour of the serum treated cases. Dr. Mayr found that whilst nearly 41·00 per cent. of the serum treated cases were septicæmic, the proportion among those under the ordinary English treatment was only 32·00 per cent., and to that extent the former cases were at a disadvantage.

(*b*) The next series of observations was confined to April and May 1902. The method adopted was to treat one case with Lustig's serum, the next with Yersin-Roux, the third with ordinary English treatment and the fourth again with Lustig's, and so on. The results were as follows:—

No patient recovered under Lustig's serum, two recovered from Yersin-Roux, and two from ordinary treatment, one of whom was semi-convalescent and the other a very mild case.

16. The following analysis of the cases speaks for itself and indicates how the circumstances in this limited series of observations were against Lustig's serum:—

—	Total treated.	Septicæmic, all fatal.	Admitted dead.	Moribund not injected, all fatal.	Actual cases fit for serum treatment.	Recovered.
Lustig's	31	16	2	3	10	.....
Yersin-Roux	31	15	1	2	13	2
Ordinary Treatment	31	13	.....	.....	18	2*

* 1 Semi-convalescent and 1 very mild.

Distinct prolongation of life was however noticeable in the cases under the serum treatment, and whereas 3·04 per cent. of the total deaths under the ordinary treatment occurred after the sixth day of illness, the proportion was 19 and 17 per cent. in Lustig's and Roux cases respectively.

Native Treatment.

17. The alleged superiority of the treatment of plague by native methods was for the first time put to a rigorous test in this hospital, and it was found to be non-existent. One hundred and ninety-four Mahomedan patients (*including some doubtful cases*) were treated by the Hakim, of whom 158 died and 56 recovered, the mortality rate being equivalent to 71·31 per cent; 45 Mahomedan patients (*without a single doubtful case*) were under the English treatment, of whom 32 died and 13 recovered, the mortality rate being 71·12 per cent. The above facts demonstrate that under both kinds of treatment, the Mahomedan patients gave identical results and showed a ratio which has always been higher than that among the Hindus, whatever the line of treatment adopted. On the other hand, 47 patients were treated by the Vaidya, of whom only 5 recovered, the mortality rate being equivalent to 89·36 per cent. *viz.*, nearly 5·00 per cent. higher than the average rate under the English treatment. The above observations once again conclusively demonstrate that it is not the native methods of treatment that show the alleged superiority in results. The factors that determine it are to be sought for elsewhere, *viz.*, in the racial stamina, and the mode and conditions of life among the different races and communities.

N. H. CHOKSY,

Special Assistant Health Officer.

I.

TABLE showing the population and the number of births and the birth-rate by Sex and by Sections in the year 1902.

Wards.	SECTIONS.	POPULATION. Persons.	Males.	Females.	Number of persons under one year.	Number of persons of one year and under 5 years.	BIRTHS. Number of births born alive during the year.	Males.	Females.	Birth-rate per 1,000 of population.	Number of males to every 100 female births.	Number of still-born.	SECTIONS.	Wards.
A	Colaba.. Upper	3,956	2,758	1,198	64	215	63	31	32	15·92	96·87	4	Upper } ...Colaba	A
A	Colaba.. Middle / Lower	13,023	8,109	4,914	197	780	139	80	59	10·67	135·59	35	Middle / Lower }	A
A	Fort, Southern	3,309	2,680	629	30	81	16	9	7	4·83	128·57	1	Fort, Southern	A
A	Fort, Northern	22,956	13,588	9,368	274	1,195	581	282	299	25·30	94·31	62	Fort, Northern	A
A	Esplanade	10,398	7,264	3,134	153	471	308	169	139	29·62	121·58	43	Esplanade	A
B	Mandvi	31,402	18,413	12,989	402	1,973	919	463	456	29·26	101·53	92	Mandvi	B
B	Chukla	24,384	14,672	9,712	356	1,530	497	270	227	20·38	118·94	65	Chukla	B
B	Umarkhadi	48,481	28,641	19,840	708	2,998	1,164	560	604	24·00	92·71	133	Umarkhadi	B
B	Dongri	25,778	14,559	11,219	401	1,697	706	368	338	27·42	108·87	94	Dongri	B
C	Market	28,415	18,734	9,681	356	1,412	564	292	272	19·84	107·35	80	Market	C
C	Dhobi Talao	29,553	17,737	11,816	436	1,574	669	373	296	22·62	126·01	78	Dhobi Talao	C
C	Fanaswadi	16,354	10,034	6,320	216	835	387	224	163	23·66	137·42	39	Fanaswadi	C
C	Bhuleshwar	30,229	19,135	11,094	314	1,592	588	319	269	19·45	118·58	68	Bhuleshwar	C
C	Khara Talao	23,161	14,164	8,997	323	1,315	701	343	358	30·26	95·81	58	Khara Talao	C
C	Kumbharwada	27,544	16,384	11,160	424	1,465	624	313	311	22·65	100·64	73	Kumbharwada	C
D	Khetwadi	27,160	16,287	10,873	324	1,590	650	345	305	23·93	113·11	60	Khetwadi	D
D	Girgaum	14,866	9,151	5,715	150	847	386	216	170	25·96	127·05	48	Girgaum	D
D	Chaupati	6,729	4,104	2,625	99	319	226	114	112	33·58	101·78	18	Chaupati	D
D	Walkeshwar	10,563	6,897	3,666	142	572	169	90	79	15·99	113·92	13	Walkeshwar	D
D	Mahalakshmi	18,092	10,953	7,139	258	1,079	425	208	217	23·49	95·85	44	Mahalakshmi	D
E	Mazagon	27,933	16,590	11,343	322	1,776	563	293	270	20·15	108·51	70	Mazagon	E
E	Tarwadi	18,460	11,509	6,951	231	1,008	718	394	324	38·89	121·60	144	Tarwadi	E
E	2nd Nagpada	18,531	10,835	7,953	230	1,117	618	326	292	33·24	111·64	61	2nd Nagpada	E
E	Kamathipura	26,706	15,275	11,431	343	1,275	744	401	343	27·85	116·90	82	Kamathipura	E
E	Tardeo	20,958	12,213	8,745	280	1,219	622	300	322	29·67	93·16	64	Tardeo	E
E	Byculla	57,646	34,544	23,102	751	3,291	1,517	790	727	26·31	108·66	192	Byculla	E
E	1st Nagpada	10,577	6,308	4,269	98	577	61	28	33	5·76	84·84	6	1st Nagpada	E
F	Parel	33,390	20,430	12,960	318	1,916	691	370	321	20·69	115·26	68	Parel	F
F	Sewri	9,294	5,605	3,689	139	635	193	96	97	20·76	98·96	15	Sewri	F
G	Sion	25,443	15,139	10,304	419	1,820	572	301	271	22·48	111·07	40	Sion	G
G	Mahim	27,386	17,927	11,459	406	1,968	586	293	293	21·39	100·00	60	Mahim	G
G	Worli	45,538	27,329	18,259	569	2,653	931	493	438	20·42	112·55	111	Worli	G
	Harbour and Docks	37,681	34,018	3,663	107	579	1	....	1	....	....	1	Harbour and Docks	
	Railways and Homeless												Railways and Homeless	
	Total ..	776,006	479,786	296,220	9,930	43,404	17,599	9,154	8,445	22·67	108·39	2,017	Total ..	

Wards.	SECTIONS.	POPULATION. Persons.	Males.	Females.	Number of persons under one year.	Number of persons of one year and under 5 years.	BIRTHS. Number of births born alive during the year.	Males.	Females.	Birth-rate per 1,000 of population.	Number of *males* to every 100 female births.	Number of still-born.	SECTIONS.	Wards.

II.

TABLE showing the number of deaths and the death-rate per 1,000 of Population by Sections in 1902.

Wards.	SECTIONS.	Persons.		Males.		Females.		Number of persons under one year.		Number of persons of one year and under five years.		SECTIONS.	Wards.
		Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.		
A	Upper Colaba...	109	27·55	85	30·81	24	20·03	18	281·25	6	27·90	Upper Colaba.	A
	Mid. & Lower Colaba ...	622	47·76	381	46·98	241	49·01	112	568·52	44	56·41	Mid. & Lower Colaba ...	
	Fort, Southern.	45	13·59	33	12·31	12	19·07	8	266·66	2	24·69	Fort, Southern.	
	Fort, Northern.	1,553	67·65	965	71·01	588	62·76	265	967·15	112	93·72	Fort, Northern.	
	Esplanade ...	318	30·58	210	28·90	108	34·46	58	379·08	18	38·21	Esplanade ...	
B	Mandvi ...	2,634	83·88	1,515	82·27	1,119	86·14	626	1,557·21	201	101·87	Mandvi ...	B
	Chukla ...	1,664	68·24	905	61·68	759	78·15	389	952·24	129	84·31	Chukla ...	
	Umarkhadi ...	3,564	73·51	1,958	68·36	1,606	80·94	703	992·93	307	102·40	Umarkhadi ...	
	Dongri ...	2,009	77·93	1,138	78·16	871	77·63	491	1,324·43	182	107·24	Dongri ...	
C	Market ...	2,006	70·59	1,248	66·61	758	78·29	335	941·01	155	107·48	Market ...	C
	Dhobi Talao ...	1,687	57·08	1,024	57·73	663	56·11	293	672·01	125	79·41	Dhobi Talao ...	
	Fanaswadi ...	1,082	66·16	690	68·76	392	62·02	170	787·03	62	74·25	Fanaswadi ...	
	Bhuleshwar ...	2,123	70·23	1,273	66·52	850	76·61	374	1,087·20	123	77·26	Bhuleshwar ...	
	Khara Talao ...	1,640	70·80	906	63·96	734	81·58	390	1,207·43	125	95·05	Khara Talao ...	
	Kumbharwada.	2,076	75·37	1,210	73·85	866	77·59	428	997·64	163	111·26	Kumbharwada	
D	Khetwadi ...	1,462	53·81	860	52·80	602	55·36	276	851·85	112	70·44	Khetwadi ...	D
	Girgaum ...	1,528	102·78	924	100·97	604	105·68	189	1,260·00	114	134·59	Girgaum ...	
	Chaupati ...	342	50·82	215	52·38	127	48·38	76	767·67	30	94·04	Chaupati ...	
	Walkeshwar ...	317	30·01	196	28·41	121	33·00	50	352·11	18	31·46	Walkeshwar ...	
	Mahalakshmi...	819	45·26	471	43·00	348	48·74	150	581·39	83	76·92	Mahalakshmi...	
E	Mazagon ...	1,659	59·39	930	56·05	729	64·26	290	900·62	127	71·50	Mazagon ...	E
	Tarwadi ...	1,605	86·94	928	80·63	677	97·39	399	1,727·27	119	118·05	Tarwadi ...	
	2nd Nagpada...	1,600	86·06	872	81·99	728	91·50	320	1,103·44	125	111·90	2nd Nagpada...	
	Kamathipura...	2,331	87·28	1,250	81·83	1,081	94·56	450	1,311·95	194	152·15	Kamathipura...	
	Tardeo ...	1,393	66·46	794	65·01	599	68·49	338	1,207·14	97	79·57	Tardeo... ...	
	Byculla ...	4,142	71·85	2,296	66·46	1,846	79·90	871	1,159·78	413	125·49	Byculla ...	
	1st Nagpada ...	156	14·74	82	12·99	74	17·33	32	326·53	10	17·33	1st Nagpada ...	
F	Parel	2,101	62·92	1,187	58·10	914	70·52	439	1,380·50	195	101·77	Parel	F
	Sewri	375	40·34	197	35·14	178	48·25	64	460·43	33	51·96	Sewri	
	Sion	1,250	49·12	740	48·88	510	49·49	237	565·63	69	37·91	Sion	
G	Mahim ...	1,436	52·43	768	48·22	668	58·29	264	650·24	119	60·46	Mahim... ...	G
	Worli	2,672	58·61	1,486	54·37	1,186	64·95	502	882·24	278	104·78	Worli	
	Harbour and Docks, Railways and Homeless ...	94	2·49	89	2·61	5	1·36	1	9·34	...	...	Harbour and Docks, Railways and Homeless ...	
	Total ...	48,414	62·38	27,826	57·99	20,588	69·50	9,553	962·03	3,890	89·62	Total ...	

Wards.	SECTIONS.	Persons.		Males.		Females.		Number of persons under one year.		Number of persons of one year and under 5 years.		SECTIONS.	Wards.
		Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.		

III.

TABLE showing the number of deaths and the death-rate from some of the Principal Diseases by Sections in 1902.

Wards.	SECTIONS.	Deaths.		Cholera.		Small-pox.		Measles.		Fevers.		Respiratory System.		Diarrhœa and Dysentery.		Injuries.		Plague.		All other causes, except still-born.		SECTIONS.	Wards.
		Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.		
A	Upper Colaba	109	27·55	..	..	..	..	8	2·02	17	4·29	14	3·53	8	2·02	3	·75	16	4·04	43	10·86	Upper Colaba	A
	Middle and Lower Colaba	622	47·76	..	..	1	·07	9	·69	59	4·53	67	5·14	42	3·22	8	·61	215	16·50	221	16·96	Middle and Lower Colaba ..	
	Fort, Southern ..	45	13·59	..	..	..	..	..	..	6	1·81	4	1·20	1	·30	1	·30	17	5·13	16	4·83	Fort, Southern ..	
	Fort, Northern ..	1,553	67·65	1	·04	5	·21	5	·21	136	5·92	234	10·19	110	4·79	36	1·56	430	18·73	596	25·96	Fort, Northern ..	
	Esplanade	318	30·65	..	...	5	·48	..	..	13	1·25	50	4·80	34	3·26	37	3·55	44	4·23	135	12·98	Esplanade	
B	Mandvi	2,634	83·88	9	·28	46	1·46	11	·35	211	6·71	529	16·84	91	2·89	28	·89	841	26·78	868	27·64	Mandvi	B
	Chukla	1,664	68·24	3	·12	10	·41	13	·53	103	4·22	328	13·45	75	3·07	25	1·02	365	14·96	742	30·42	Chukla	
	Umarkhadi	3,564	73·51	4	·08	20	·49	56	1·15	236	4·90	636	13·11	208	4·29	22	·45	835	17·22	1,545	31·86	Umarkhadi	
	Dongri	2,009	77·93	2	·07	14	·54	30	1·16	178	6·90	276	10·70	150	5·81	22	·85	608	23·58	729	28·27	Dongri	
C	Market	2,006	70·59	6	·21	37	1·30	23	·80	166	5·84	257	9·04	133	4·63	40	1·40	682	24·00	662	23·29	Market	C
	Dhobi Talao	1,687	57·08	6	·20	35	1·18	14	·47	160	5·41	259	8·76	129	4·36	27	·91	461	15·59	596	20·16	Dhobi Talao	
	Fanaswadi	1,082	66·16	3	·18	4	·24	7	·42	118	7·21	159	9·72	49	2·99	21	1·28	410	25·07	311	19·01	Fanaswadi	
	Bhuleshwar	2,123	70·23	...	..	5	·16	11	·36	190	6·28	379	12·53	164	5·42	27	·89	608	20·11	739	24·44	Bhuleshwar	
	Khara Talao	1,640	70·89	1	·04	4	·17	31	1·33	101	4·36	343	14·80	96	4·14	30	1·29	362	15·62	672	29·01	Khara Talao	
	Kumbharwada ..	2,076	75·37	4	·14	8	·29	27	·98	155	5·62	319	11·58	139	5·04	22	·79	686	24·90	716	25·99	Kumbharwada ..	
D	Khetwadi	1,462	53·81	..	..	..	..	15	·55	116	4·27	222	8·17	101	3·71	18	·66	468	17·23	522	19·21	Khetwadi	D
	Girgaum	1,528	102·78	2	·13	14	·94	16	1·07	130	8·74	184	12·37	83	5·58	26	1·74	576	38·74	497	33·43	Girgaum	
	Chaupati	342	50·32	..	..	2	·29	7	1·04	26	3·86	44	6·53	28	4·16	6	·89	82	12·18	147	21·84	Chaupati	
	Walkeshwar	317	30·01	1	·09	3	·28	..	..	32	3·02	32	3·02	25	2·38	7	·66	103	9·75	114	10·79	Walkeshwar	
	Mahalakshmi	819	45·26	1	·05	1	·05	16	·88	72	3·97	103	5·69	71	3·92	4	·22	273	15·08	278	15·36	Mahalakshmi	
E	Mazagon	1,659	59·39	4	·14	9	·32	20	·71	290	10·38	221	7·90	97	3·47	27	·96	433	15·50	558	19·97	Mazagon	E
	Tarwadi	1,605	86·94	2	·10	2	·10	19	1·02	170	9·20	214	11·59	184	9·96	60	3·25	309	16·73	645	34·94	Tarwadi	
	2nd Nagpada	1,600	86·06	4	·21	2	·10	37	1·99	77	4·14	243	13·07	83	4·46	16	·86	361	19·41	777	41·79	2nd Nagpada	
	Kamathipura	2,331	87·28	2	·07	9	·33	47	1·75	145	5·42	340	12·73	253	9·47	29	1·08	686	25·68	820	30·70	Kamathipura	
	Tardeo	1,393	66·46	1	·04	1	·04	23	1·09	81	3·86	180	8·58	153	7·53	19	·90	430	20·51	500	23·85	Tardeo	
	Byculla	4,142	71·85	5	·08	20	·34	79	1·37	572	9·92	530	9·19	303	5·25	45	·78	1,141	19·79	1,447	2·49	Byculla	
	1st Nagpada	156	14·74	..	..	2	·18	1	·09	7	·66	12	1·13	15	1·41	3	·28	45	4·25	71	6·71	1st Nagpada	
F	Parel	2,101	62·92	4	·11	4	·11	41	1·22	288	8·62	294	8·80	182	5·45	27	·80	605	18·05	658	19·70	Parel	F
	Sewri	375	40·34	..	..	5	·53	5	·53	43	4·62	34	3·65	42	4·51	8	·86	145	15·60	93	10·00	Sewri	
G	Sion	1,250	49·12	3	·11	11	·43	11	·43	106	4·16	137	5·38	131	5·14	14	·55	372	14·62	465	18·27	Sion	G
	Mahim	1,436	52·43	2	·07	3	·10	10	·36	157	5·73	225	8·21	159	5·80	16	·58	415	16·24	419	15·30	Mahim	
	Worli	2,672	58·61	3	·06	6	·13	50	1·09	344	7·54	369	8·09	293	6·42	27	·59	761	16·69	819	17·96	Worli	
	Harbour and Docks, Railways and Homeless.	94	2·49	2	·05	..	..	..	..	11	·29	12	·31	6	·15	31	·82	7	·18	25	·66	Harbour and Docks, Railways and Homeless.	
	Total ..	48,414	62·38	75	·09	288	·37	642	·82	4,518	5·82	7,250	9·34	3,643	4·69	732	·94	13,820	17·80	17,446	22·48	Total .	
Wards.	SECTIONS.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	Number of deaths.	Per 1,000 of population.	SECTIONS.	Wards.
		Deaths.		Cholera.		Small-pox.		Measles.		Fevers.		Respiratory System.		Diarrhœa and Dysentery.		Injuries.		Plague.		All other causes, except still-born.			

IV.

CAUSES OF DEATHS arranged according to the Nomenclature of Diseases drawn up by the COMMITTEE OF ROYAL COLLEGE OF PHYSICIANS OF LONDON for 1902.

		No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
General Diseases.	A.	1	Small-pox	13	32	35	35	38	31	24	21	15	10	8	26	288
		3	Chicken-pox	...	...	1	...	...	...	...	...	...	...	...	...	1
		4	Measles	3	11	22	38	28	44	45	44	58	87	119	127	626
			,, and Complications	...	...	...	1	...	...	...	...	...	...	...	...	1
			,, ,, Hyperpyrixia	...	...	...	1	...	...	...	...	...	...	...	...	1
			,, ,, Pneumonia	...	...	3	...	1	...	...	...	1	...	1	...	6
			,, ,, Convulsions	...	...	...	...	1	...	...	...	...	...	...	...	1
			,, ,, Syncope	...	...	...	...	1	...	...	...	...	...	...	...	1
			,, ,, Broncho-Pneumonia	...	...	...	...	...	1	1	...	...	...	...	1	3
			,, ,, Diarrhœa	...	...	...	...	...	...	1	...	...	...	...	1	2
			,, ,, Dysentery	...	...	...	..	...	...	1	...	...	...	...	...	1
		9	Enteric Fever	4	5	9	18	15	7	5	4	4	2	11	5	89
		10	Relapsing Fever	90	103	75	61	56	55	47	43	84	37	29	22	651
		11	Simple Continued Fever	15	3	10	6	6	8	12	13	6	8	8	4	99
		12	Febricula	1	...	...	1	2	...	..	...	...	...	...	1	5
		14	Plague	1,299	2,531	3,609	2,800	1,178	269	129	152	231	536	716	570	13,820
		15	Ague	34	43	48	87	17	23	26	34	49	42	74	46	183
		16	Remittent Fever	434	548	784	288	174	160	220	249	233	189	141	134	3,554
			,, ,, and Heart Failure	1	...	1	2	...	1	2	...	2	1	2	1	13
			,, ,, Bronchitis	7	2	5	5	4	4	2	8	13	11	9	4	74
			,, ,, Diarrhœa	7	5	1	4	1	2	6	5	5	5	4	2	47
			,, ,, Convulsions	1	1	2	1	4	5	2	5	1	2	...	2	26
			,, ,, General Debility	3	2	4	3	2	1	3	1	...	5	2	3	29
			,, ,, Asthma	1	...	...	...	...	...	...	...	...	3	...	3	7
			,, ,, Old-Age	1	...	...	...	...	...	...	...	...	...	4	...	5
			,, ,, following Vaccination	2	...	...	...	...	...	...	1	...	...	...	...	3
			,, ,, Diabetes	...	1	...	...	...	...	...	...	...	...	...	..	1
			,, ,, Cerebral Symptoms	...	1	...	...	...	1	...	...	...	...	...	...	2
			,, ,, Broncho-Pneumonia	...	1	1	...	...	...	...	...	...	...	...	1	3
			,, ,, Pneumonia	...	3	2	...	3	1	3	3	10	...	3	2	30
			,, ,, Sore-foot	...	1	...	...	...	...	...	...	...	...	...	...	1
			,, ,, Jaundice	...	1	...	...	...	2	...	...	...	...	1	...	4
			,, ,, Dysentery	...	...	1	...	...	...	2	3	1	1	1	4	13
			,, ,, Congestion of Lungs	...	...	...	1	...	...	...	...	...	...	...	...	1
			,, ,, Meningitis	...	...	...	1	...	2	...	1	...	...	...	...	•• 4
			,, ,, colic pain in the stomach	...	...	...	1	...	...	...	...	...	...	...	...	1
			,, ,, Enlargement of Liver	...	...	...	...	2	2	...	...	...	...	...	...	4
			,, ,, Intestinal Worms	...	...	...	...	...	1	...	...	...	...	...	...	1
			,, ,, Whooping Cough	...	...	...	...	...	...	1	...	...	...	...	...	1
			,, ,, Hepatitis	...	...	...	...	...	...	1	2	...	...	1	1	5

		No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
General Diseases.—(*contd*).	A.		Remittent Fever and Paralysis								1					1
			„ „ Congestion of Brain								2	1	1			4
			„ „ Pleuro-Pneumonia									2				2
			„ „ Lung Affection									2				2
			„ „ Intestinal Worms									1				1
			„ „ Elephantiasis										1			1
			„ „ Miscarriage										1			1
			„ „ General Anæmia												1	1
			„ „ Worms												2	2
			„ „ Teething												1	1
			„ „ Inflammation of Leg												1	1
			„ „ „ of Testes												1	1
		18	Malignant Cholera	5	12	14	7	8	5	7	5	2	4	2	4	75
		19	Diphtheria	1				2	1			1				5
		20	Whooping Cough	17	8	7	3	5	6	11	6	5	8	3	4	88
		21	Mumps	1				1	1							3
		22	Influenza						1	1	1	1				4
			„ and Pneumonia											1		1
			„ and Old-age		2											2
		27	Phaegdæna Penis								1					1
		30	Erysipelas	4	3	1	2	1	2		1		2		1	17
		31	Pyæmia	2	1		5	1	2	1	2	2	2	5	3	26
			Pyæmic Abscess over the body						1							1
			Pyæmia and Abscess								2					2
		32	Puerperal Fever	39	48	51	46	37	42	29	33	41	45	47	42	500
			„ „ and Measles								1					1
			„ Diarrhœa						2	3	2			2	1	10
			„ Septicæmia and Diarrhœa									1				1
			„ „ „ Pneumonia									1				1
			„ „ „ Jaundice									1				1
			„ „ „ Kidney Disease										1			1
			„ „ „ Laceration of Perinæum										1			1
			Septicæmia	9	8	7	2	5	6	7	8	1	6	1	60	
			Septic Fever	1		2					2	1				6
			„ and Dermatitis								1					1
			Septicæmia and Pneumonia							2						2
			„ Heart Failure								1					1
			„ Diarrhœa										1			1
			„ Bronchitis										1			1
			„ after Operation											1		1
			Septic Poison					1								1
		34	Acute Rheumatism	9	16	15	4	5	7	14	5	12	8	6	6	107
			„ „ and Heart Disease										1			1
			Syphilitic Rheumatism			1						4			2	7
			„ „ and Meningitis											1		1
	B.	35	Gonorrhœal Rheumatism												1	1
		38	Chronic Rheumatism	2	2	2	1	1		1		2	1	2	1	15
			„ „ and Abscess of Leg	1												1
			„ „ „ Diarrhœa	1												1

(General Diseases.—(*contd.*)

B.

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		No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
General Diseases—(*contd.*)	B.		Scrofula with Consumption				1		1					1		2
			" and General Debility													1
			" Remittent Fever							1						1
			" Whooping Cough							1						1
			" and Privation													1
			" " Hectic Fever										1			1
			" " Congenital Syphilis												1	1
			" with Cancer of bone and Emaciation												1	1
			" and Diarrhœa											1		1
			Scrofulous disease of Joints			1										1
			Phthisis Pulmonalis	450	500	665	455	287	235	206	213	213	247	245	241	3,957
			Tabes Mesenterica						1					1		2
			Tuberculosis	19	8	32	13	17	59	39	22	21	39	33	39	341
			" and Malaria										1			1
			" Pulmonary	1	1	7	1	2					3	4		19
			" Acute	1												1
			" Intestinal		1						1	2		2	1	7
			" after Delivery						1							1
			" with Hæmatocele						1		1					1
			" with Dropsy													1
			" and Pneumonia							1	1					1
			Tubercular Meningitis	2		1	1			2	2	2	1			11
			" Phthisis	2					3		1				1	7
			" Diarrhœa		2	4		5	4	9	9	3	1	2	9	48
			" Ulceration of Bowels			1				1						2
			" Peritonitis			1	1	1	3	1			1	1	1	10
			" Enteritis				1									1
			" Joint				1								1	2
			" Diarrhœa and Phthisis Pulmonalis						4							4
			" Abscess						1							1
			" Phthisis and Peritonitis						1							1
			" Ascites						1						1	2
			" Laryngitis												1	1
			" Arthritis							1						1
			Tubercle of Lung	34	16	14	15	8	7	9	9	22	15	11	10	170
			" of Spine and Lung	1												1
			" of Lung, Diarrhœa Exhaustion						1							1
			" Hip-joint												1	1
			" of Knee-joint right												1	1
			Sarcoma				1				1	1	1		1	5
			" Breast			1										1
			" Femur									1				1
			" Testicle										1			1
			" Aveolar													1
		50	Rickets	2	1	3	14	19	19	23	17	8	6	6	6	124
			" and Hectic Fever										1			1
			" " Continued Fever										1			1
			" " Bronchitis								5	4	8		3	20
			" " Convulsions								1		1	1		3

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	No. in the Nomenclature of Disease.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Local Diseases.—(*contd.*)															
Diseases of the Nervous System.															
		Cerebritis				1	1								2
	71	Fibrous Tumour				2									2
		Diseases of the Spinal Cord and its Membranes.													
	76	Hæmorrhage	1	4		3	5	4	3	1	5	5	5	3	39
		Spinal Apoplexy				1									1
		Myelitis					1								1
		Chronic Myelitis and Bronchitis								1					1
		Hydrocephalus		1			1			2			4		8
	80	Spina Bifida		1											1
		Diseases of the Nerves.													
	81	Inflammation							1					1	1
		Multiple Neuritis													1
	82	Atrophy					1								1
		Neurasthenia and Failure of Heart											1	1	2
		Nervous Debility									1				1
	84	Paralysis	10	12	10		9	6	7	11	14	5	7	10	101
		„ Infantile			2					3					5
		„ and Hemiplegia	1			7									8
		„ and Rheumatism			1										1
		„ Heart Failure				1									1
		„ Cystitis			1										1
		„ and Apoplexy					1								1
		„ and Congestion of Brain								1					1
	85	Hemiplegia	22	12	26	14	12	9	16	11	15	7	11	15	170
		„ Valvular disease	1												1
		„ and Debility						1						1	2
		„ Right Side												3	3
	86	Paraplegia	5	4	9	1	5	1	6	3	3	5	2	6	50
		„ and Debility												2	2
		„ „ Pneumonia									1	1			2
		Paresis									1				1
		Functional Diseases of the Nervous System.													
	90	Tetanus	7	8	2	6	6	3	6	3	6	2	4	10	63
		„ and Gangrene	1												1
		„ Idiopathic	1	2				1	2	1			2	1	10
		„ Traumatic	2		5	3	1	2		1	3	2	1	1	21
		„ „ following multiple Injuries	1											2	3
		„ „ „ Fracture					1								1
		„ and Convulsions									1				1
		„ Traumatic following Compound Fracture of Arm										1			1
		„ „ following contused wound—accidental fall on road											1		1

Local Diseases.—(*contd.*)

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Local Diseases.—(*contd.*)

	No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Diseases of the Circulatory System.		*Diseases of the Muscular Structure of the Heart.*													
	230	Dilatation	2	1				1						1	5
	231	Atrophy			1										1
	232	Excess of fat		1	1		1						1		4
	233	Fatty Degeneration	2		1										6
		Fatty heart with Emphysema of Lung			1							1			1
	237	Rupture						1					1	1	7
	242	Angina Pectoris	2		2										1
		Cessation of Heart owing to Old Age			1	3	7	3	3		6	1	1	3	46
	243	Syncope	4	9	6										1
		due to Chronic Ascites		1			2	1							4
	244	Palpitation and irregularity of the action of the Heart			1										
		Diseases of the Arteries.													
	246	Atheroma	1												1
Diseases of the Absorbent & Ductless Glands.		*Diseases of the Absorbent System and Ductless Glands.*													
	269	Inflammation of Lymphatics			2	1									2
		Diseases of the Thyroid Gland.													
	280	Goitre													1
Diseases of the Respiratory System.		*Diseases of the Respiratory System not strictly Local.*					2				1				2
	288	Croup		1	8		2			4	2	4			1
		and Laryngismus Stridulus	3												10
		Asphyxia Infantilis													
		Diseases of the Larynx.													
	293	Laryngitis		1		1							1		2
		Acute													1

Local Diseases.—(*contd.*)

Diseases of the Respiratory System.

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Local Diseases.—(*contd.*)

	No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Diseases of the Respiratory System.	319	(*a*) Hæmoptysis	2												2
	320	Œdema								1	1				2
	322	Emphysema	6	6	2	4	1		4	2	5	4	7	2	43
		„ and Bronchitis			1										1
		Diseases of the Pleura.													
	331	Pleurisy	2	1	4	2				1	1	1	1		13
		„ with suffocation												1	1
		„ and Asthma	1												1
		Pleuritic Effusion	1					1			1				3
		Chronic Pleurisy and Phthisis					1								1
		DISEASES OF THE DIGESTIVE SYSTEM.													
		Diseases of the Mouth.													
	348	Stomatitis			3										3
		Ulceration										1			1
	350	Thrush									1				1
	353	Cancrum Oris	2										2		4
		Diseases of the Jaws including the Antrum.													
	363	Vascular Tumour	1												1
		Diseases, Malformation and Injuries of the Teeth, Gums, and Alveoli.													
	365	Teething		1	4	15	12	8	8	11	7	4	8	6	84
		„ and Scrofula	1												1
		„ „ Convulsions	1						1	2	3				7
		„ „ Diarrhœa			2	6	5	3	3	13	7	3	5	8	53
		„ „ Fever				2		1	3						6
		„ „ Dysentery							1						1
		„ „ Pneumonia										1			1
		Disorder of Dentition												1	1
		Diseases of the Tongue.													
	412	Glossitis						1							1
		Diseases of the Fauces and Palate.													
	419	Sore Throat		1											1
	423	Tonsilitis			1										1
		„ Acute and Laryngitis		1											1
		„ and Abscess											1		1

Local Diseases—(*contd.*)

Diseases of the Digestive System.

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Local Diseases.—*(contd.)*

Diseases of the Digestive System.

No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
478	Intussception	1	1								1	1	1	4
	Glutial Abscess	1					1		1					3
480	Hernia		2		2	1	1			1	1		1	9
	„ (c) Strangulated	5	3	3	2	2	2	4		1	2	1		25
	„ (1) Diaphragmatic	1												1
	„ (4) Umbilical				1									1
	„ (6) Inguinal			2					3	1	2	2		10
484	Diarrhœa	197	167	179	189	179	150	201	246	244	190	161	163	2,266
486	Colic	1	2	1	1					1				6
	„ and Diarrhœa												1	1
	„ Spasmodic		1											1
	Collitis												1	1
487	Constipation				1		1		1	3				6
	Diseases of the Rectum and Anus.													
488	Ulceration						1						1	2
	Ischio Rectal abscess and Asthma				1									1
	„ „ „ Septicæmia										1			1
490	Fistula in Ano			1								1		2
491	Hæmorrhoids		2	2	7		3	2	2		1	1	3	23
	„ Intestinal				1									1
	„ and Chronic Diarrhœa		1											1
	„ and shock after Operation			1										1
	„ „ Chronic Bronchitis						1							1
	„ „ Exhaustion								1					1
	„ „ Diarrhœa and Dropsy										1			1
	„ „ Heart Failure											1		1
494	Prolapsus Ani								1					1
	Diseases of the Liver.													
501	Hepatitis	17	17	21	13	10	12	16	16	13	18	23	12	188
	„ and Remittent Fever							1						1
	„ „ Jaundice						1							1
	„ „ Acute Bronchitis								1					1
	„ „ Old Age										1			1
	„ „ Diarrhœa											1	1	2
	„ Pneumonia and Pleurisy											1		1
502	Abscess	4	7	9	5	4	11	8	4	4	8	5	9	78
503	Acute Atrophy	1				2		2		1				6
	„ Vomiting and Old Age											1		1
504	Hepatic Enlargement	6	5	2	3	6	2	3	4	1	3	1	2	38
	„ „ and Pneumonia							1						1
	„ Dropsy							1	1		1			3
	„ Colic				2									2
	„ Cholemia			1					1					2
	Liver Disease	4	1	5	4	4	1	4	2	3				28
	Enlarged Liver and Diarrhœa				1									1

Local Diseases.—(*contd.*)

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Local Diseases.—(*contd.*)

	No. in the Nomenclatures of Disease.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Diseases of the Urinary System.		*Diseases of the Bladder.*													
	557	Cystitis	1		1		1			1		2		1	4
		Chronic													2
		" and Chronic Kidney affections													1
		Enlargement of Prostrate and Cystitis											1		1
		Rhaiditis													1
	569	Villous Disease in the Bladder					1						1		2
	570	Calculus	1												2
		and Gastritis	1												1
		" Cystitis		1											1
		Lithotomy and Septicæmia			1										1
		Diseases of the Prostrate Gland.													
		Acute suppurative Prostrate							1					1	1
		Inflammation													1
		Diseases of the Male Urethra.													
	569	Stricture					2	1	2				2		2
		Uræmia	1						1	2	3	2		1	14
		" Coma and Pyonephrosis													1
		" and Pneumonia	1												1
		" the Result of Nephritis		1											1
		Uræmic convulsions				1					1				1
		" and Diarrhœa							1	1		1		1	2
	601	Extravasation		1	2		1								7
Diseases of the Generative System.		DISEASES OF THE GENERATIVE SYSTEM.													
		Diseases of the Cord.													
	612	Hydrocele				2	1			1					4
		Diseases of the Tunica Vaginalis.													
	618	Hæmatocele									1				1
		Diseases of the Testicle.													
	620	Orchitis									1				1
	622	Protrusion of Tubuli	1												1

Local Diseases.—(*contd.*)	Diseases of the Generative System.		DISEASES OF THE FEMALE ORGANS OF GENERATION IN THE UN-IMPREGNATED STATE.														
			Diseases of the Ovary.														
		632	Hæmorrhage	1	...	...	...	...	...	...	3	...	...	...	...	4
			Cyst Ovarian	...	...	...	...	...	...	...	...	...	1	...	...	1
		636	Dropsy Ovarian	...	...	...	...	...	...	...	1	...	...	...	...	1
			Diseases of the Broad Ligament.														
		651	Abscess	...	...	...	...	...	...	...	...	...	1	...	...	1
			„ Uterus	1	...	...	...	...	...	...	...	...	...	...	...	1
			(1) Pelvic Peritonitis	...	...	...	...	...	1	...	...	...	...	...	...	1
			(2) „ Cellulitis	...	...	...	...	...	...	...	1	...	...	...	...	1
			„ „ and Dysentery	...	...	...	...	...	...	...	...	1	...	...	...	1
			Diseases of the Uterus, including the Cervix.														
		654	Leucorrhœa	...	1	...	1	...	...	1	1	1	...	...	1	6
			Sub-volution of the Uterus	...	...	...	1	...	...	...	...	...	...	...	...	1
		679	Laceration	...	...	...	...	1	...	...	...	...	...	1	...	2
			Uterine Hæmorrhage	...	...	...	...	...	1	...	...	...	...	...	...	1
			Functional Diseases of the Female Organs of Generation.														
		694	Menorrhagia	1	...	...	...	...	...	...	...	...	...	...	...	1
			Affections connected with Pregnancy.														
			Exhaustion due to Vomiting during Pregnancy	...	...	...	...	...	...	...	...	1	...	...	...	1
			Diarrhœa of Pregnancy	...	...	...	...	...	...	...	...	1	...	...	...	1
			Obstinate Vomiting due to Conception	...	...	...	...	...	...	...	...	...	...	1	...	1
			Disorders of the Generative System.														
		695	Metritis	1	...	2	2	...	1	...	...	...	...	...	...	6
			„ and Peritonitis	...	...	...	...	...	...	...	1	...	1	...	...	2
			„ due to Abortion	...	1	...	...	...	...	...	...	...	...	...	...	1
			Endo Metritis	...	...	...	1	...	1	...	...	...	...	...	...	2
			Parametritis	...	...	...	1	...	...	...	...	...	...	...	...	1
			„ Septic	...	...	...	...	1	...	...	...	...	...	...	...	1
			„ Heart Failure	...	...	...	...	...	1	...	...	...	...	...	...	1
		703	Abortion	...	1	3	3	...	...	4	...	3	...	1	1	16
			„ and Hæmorrhage	...	1	...	...	...	...	...	...	...	...	1	...	2
			„ „ Fever	...	1	...	...	...	...	...	...	...	...	...	...	1
			„ „ Failure of Heart	...	...	...	...	1	...	...	...	...	...	...	...	1
			„ „ Albuminuria	...	...	...	...	...	...	...	...	...	...	...	1	1
		704	Premature Labour	...	1	...	1	...	...	...	...	1	...	1	...	4
		705	Extra Uterine Gestation	1	1	3	2	...	1	2	1	1	...	...	...	12
			Affections connected with Parturition.														
		706	Atony of the Uterus	...	...	...	...	...	...	...	1	...	...	...	...	1
			Anti Partum Hæmorrhage	...	...	...	...	...	1	...	...	...	...	...	...	1
			Atonic Dyspepsia	...	...	...	1	...	...	...	...	...	...	...	...	1

Local Diseases—(*contd.*)

No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Diseases of the Generative System.														
714	Retention of Placenta	...	...	...	1	...	...	...	...	...	...	...	...	1
	Affections consequent on Parturition.													
717	Post-Partum Hæmorrhage	21	11	10	12	4	...	2	2	2	3	1	2	70
	Debility after Parturition	1	2	5	5	1	...	...	...	...	...	...	1	15
	Exhaustion after Delivery	4	1	3	1	1	...	...	...	...	2	2	1	13
	,, during Labour	...	2	...	...	...	...	...	1	...	...	...	...	5
	Shock following operation for Craniotomy	...	...	1	1	...	...	1	...	...	...	...	1	5
	Child birth	1	1	...	1	...	...	...	...	1	1	...	...	4
	Pulmonary Embodism	...	...	...	3	...	...	...	...	...	...	...	...	4
	Perceptible Labour and Hæmorrhage	...	...	...	1	...	...	...	...	...	1	1	...	2
	Post-Partum Hæmorrhage and Puerperal fever	...	...	...	...	1	...	...	...	...	...	...	...	1
	,, ,, and Shock	...	...	...	...	...	...	...	...	...	...	...	...	1
	,, ,, Heart Failure	...	...	...	...	...	...	...	...	1	...	...	...	1
719	Puerperal Peritonitis	...	...	1	...	...	...	...	...	...	...	...	...	1
726	Puerperal Mania...	...	...	1	...	...	...	...	...	...	...	...	...	1
	Coma following Puerperal Convulsions	...	...	...	1	...	...	...	...	...	...	...	...	1
727	Labour and Albuminuria	...	...	...	...	...	...	...	...	...	...	...	...	1
	Puerperal Convulsions	2	...	4	4	4	2	...	1	2	...	8	...	26
	,, Exhaustion	...	4	...	1	...	1	...	...	...	4	...	...	10
	,, Condition	...	...	1	...	...	1	1	...	...	...	1	...	3
	,, Tetanus	...	...	...	...	5	...	...	1	...	1	...	...	8
728	Sudden Death after Delivery	...	...	1	...	1	...	...	...	...	...	1	...	11
	Child birth and Chronic Dysentery	...	...	...	...	...	...	...	...	...	1	...	...	1
	Puerperal Hæmorrhage	...	...	2	...	...	...	...	...	...	...	...	...	2
	Diseases of the Female Breast.													
730	Abscess	...	...	...	1	...	...	...	...	...	...	...	...	1
Diseases of the Locomotion.														
	DISEASES OF THE ORGANS OF LOCOMOTION.													
	Diseases of Bones.													
759	Caries	1	...	...	...	...	1	...	1	1	4	...	...	8
	,, Tibia	...	1	...	...	...	...	...	...	...	...	...	...	1
	,, Labia	...	...	...	...	...	1	...	...	...	1	...	...	2
760	Necrosis	...	1	...	...	...	...	...	...	...	...	...	...	1
	,, Tibia	...	...	...	1	...	...	...	...	...	...	...	...	1
	,, Jaw	...	...	...	1	...	...	1	...	...	...	...	...	2
	,, Sternum	...	...	...	...	...	...	...	1	...	1	...	...	2
	Sinus	...	...	...	...	...	...	...	...	...	...	...	...	...
767	Parasitic Disease...	...	...	...	...	...	1	...	...	1	...	...	...	2
	Filaria Medinensis	...	1	...	...	...	...	...	...	...	...	...	...	1
	Guinea Thigh	1	...	...	...	...	...	...	...	...	...	...	...	1
	Œdema of connective Tissue	...	...	...	...	...	...	...	...	...	...	...	...	...

Local Diseases.—(*contd.*)

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	No. in the Nomenclature of Diseases.	CAUSES OF DEATHS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Conditions not necessarily associated with General or Local Diseases.	902	Still-born	171	168	194	170	160	148	158	202	186	167	155	138	2,017
	903	Premature Birth	8	8	4	11	4	6	13	13	8	10	8	7	100
	904	Old Age	173	202	233	174	143	102	112	122	130	137	160	162	1,850
	905	Debility	267	301	291	344	324	258	346	274	262	229	235	196	3,327
		POISONS.													
		Metals and their Salts.													
Poisons.	906	Arsenic, Suicidal	1	...	...	...	...	...	1	...	...	...	...	...	2
		Acids.													
	922	Sulphuric Acid, Suicidal	...	1	...	...	...	...	...	...	...	1	...	...	2
		" " Accidental	...	...	...	...	...	...	...	...	...	1	...	...	1
		Strychnia taken by mistake	...	...	...	1	...	...	...	...	...	...	2	...	3
		Irritant acid collapse, suicidal	...	...	...	...	...	...	1	...	...	...	...	...	1
		Vegetable Poisons.													
	936	Opium, Suicidal	4	1	...	2	2	3	6	2	6	2	3	2	33
		Opium, Homicidal	2	...	...	...	...	...	...	...	...	...	...	...	2
		" Accidental	...	...	...	2	...	...	1	...	...	...	...	...	3
		" Unknown	...	...	...	...	...	1	...	1	...	...	...	...	2
	937	Indian Hemp, Accidental	...	...	...	...	...	...	...	...	...	1	...	...	1
	938	Alcohol	2	1	...	1	...	...	...	...	...	...	4	...	8
		Morphia poisoning, an overdose of Ch'orodyne taken accidentally	...	...	1	...	...	...	...	...	...	...	...	...	1
	945	Cyanide of Potassium, Suicidal	...	...	...	...	...	...	...	1	...	1	...	...	2
	953	Narcotic Poison, circumstances unknown	1	...	...	...	...	...	...	...	...	1	...	...	2
		Rough on Rats	...	...	1	...	...	...	...	...	...	...	...	...	1
		Animal Poisons.													
	972	Ptomaine poisoning	...	...	...	...	...	...	...	...	1	...	...	...	1
		Gaseous Poisons.													
		Kerosine Oil, Suicidal	...	...	...	...	...	...	...	...	1	...	...	...	1
		Poisoned Wounds.													
	985	(1) Snake	1	...	1	...	...	...	...	3	...	2	...	...	7
		Rat bite	...	...	...	...	...	...	...	...	...	...	1	...	1

INJURIES.

General Injuries.

| | | |

	No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
General Injuries.		Multiple injury caused by being accidentally knocked down and trodden on by the bullocks of a cart while playing on the roadside...	...	...	...	1	...	...	...	...	...	...	...	...	1
		" " knocked down and run over by a bullock cart, accidental ...	...	...	...	1	...	...	...	...	...	...	...	...	1
		" " result of an accidental fall on board the ship	...	...	...	...	1	...	...	...	...	...	...	...	1
		" " due to an accidental fall from a ballast train	...	...	...	...	1	...	...	...	...	...	...	...	1
		" " and compression of brain, legs, &c., the result of an accidental fall into the hold of a ship...	...	...	...	...	...	1	...	...	...	...	...	...	1
		" " and rupture of some internal organ due to an accidental fall between the platform and the Railway train while in motion	...	1	...	...	...	1	...	...	...	...	...	...	2
		" " and shock, knocked down by a victoria, accidental	...	...	...	...	...	...	1	...	...	...	...	...	1
		" " caught in a Mill machinery, accidental	...	...	...	...	...	...	1	...	...	...	...	...	1
		" " run over by a Railway light engine, accidental	...	...	...	...	...	...	...	1	...	...	...	...	1
		" " fall from an upper deck of a steam-ship, accidental	...	...	...	...	...	...	...	...	1	...	...	...	1
		" " caused by jumping out from the 2nd storey of G. T. Hospital.	...	...	...	...	...	...	...	...	...	1	...	...	1
		" " and shock, threw himself down from the 2nd storey of a house, suicidal	...	...	...	...	...	...	...	...	...	...	1	1	2
		" " run over by a Railway train, suicidal	...	...	...	...	2	...	...	...	...	...	...	...	2
		" " threw himself from the roof of Head Police Office, suicidal ...	1	...	...	...	...	...	...	...	...	...	...	...	1
		" " and shock due to his having fallen into the lower hold of a ship...	...	1	...	...	...	1	...	...	...	...	...	...	2
		" " and shock being run over by a Railway train, circumstances unknown	...	...	...	...	...	1	...	...	1	...	1	...	3
		" " and shock	...	...	...	...	...	...	...	...	...	2	...	...	2
	995	(a) Asphyxia from drowning in wells, cause unknown	...	1	...	1	1	...	2	...	2	1	2	...	10
		" " " " suicidal	2	1	4	1	3	4	2	6	4	1	1	1	30
		" " " " accidental	1	3	...	...	1	3	1	1	...	...	...	...	10
		" " " " homicidal	1	...	...	...	...	...	...	...	...	...	...	...	1
		" " " in tanks, suicidal	...	2	1	...	2	1	2	1	2	...	...	...	11
		" " " " accidental	1	...	2	...	2	1	1	2	1	1	...	1	12
		" " " " under delirium	...	...	...	...	...	...	...	...	...	1	...	...	1
		" " " " causes unknown	1	...	1	1	...	...	2	...	2	...	3	1	11
		" " " in quarry holes, suicidal	...	...	...	...	...	...	...	...	...	...	1	1	2
		" " " " accidental	...	1	...	...	...	1	1	1	...	2	...	...	6
		" " " " causes unknown	...	...	...	...	...	...	1	...	...	...	1	...	2
		" " " in pond, accidental	...	1	...	...	...	...	...	...	...	...	...	...	1
		" " " in the Sea, suicidal	...	...	1	...	...	...	...	...	...	1	...	...	2
		" " " accidental	...	1	1	3	2	2	...	...	...	...	1	3	13
		" " " causes unknown	1	2	...	...	...	...	1	1	...	...	...	1	6
		" " " Basin of the Govt. Coal Depôt, circumstances unknown	...	...	...	...	...	...	1	...	...	...	...	...	1
		" " " Kasara Basin, circumstances unknown ...	...	...	...	...	...	...	...	...	...	1	...	...	1
		" " " Arthur Road Basin	...	...	...	...	...	...	...	...	...	...	...	1	1
		" " " in a hot-water tank at D. M. Petit Mill at Parel, suicidal.	...	...	1	...	...	...	...	...	...	...	...	...	1
		" " " " " " Leopold Mill, suicidal...	...	...	...	...	1	...	...	...	...	...	...	...	1
		" " " " " " Star of India Mill, cause unknown	...	...	...	...	1	...	...	...	...	...	...	...	1
		" " " " " " Islam Mill, accidental...	...	...	...	...	...	...	...	...	...	1	...	...	1

General Injuries.—(*contd.*)		„ „ „ Found floating in a Mill tank, cause unknown																			
		„ „ „ „ „ in hot-water tank of a Mill, accidental																			
		„ „ „ „ in the old Dhobi Ghaut off Ripon Road, accidental.																			
		„ „ „ „ „ „ „ cause unknown																			
		„ „ „ „ „ „ „ suicidal																			
		„ „ „ „ „ old Dhobi Ghaut while under delirium of fever																			
		„ „ „ „ floating in the sea, cause unknown																			
		„ „ „ „ „ „ Port Trust Basin, cause unknown																			
		„ „ „ „ „ „ Victoria Dock, cause unknown																			
		„ „ „ „ „ at Kennedy Sea Face, accidental																			
		„ „ „ „ lying in the mud at Ballard Pier, cause unknown																			
		„ „ „ „ in the mud in Tank Bunder Basin	1																		
		„ „ „ „ dead on the sand at Kennedy Sea Face																			
		(*b*) Asphyxia, Judicial Strangulation	3																		
		„ hanging, suicidal																			
		„ „ with a rope, suicidal		1	1																
		(*c*) „ from strangling, homicidal																			
		Suffocation																			
		Asphyxia due to an accidental entrance of fluid into the larynx while drinking from a bottle																			
		„ the result of whooping cough																			
	996	Privation	20	18	20	23	14	30	15	21	20	35	28	15	259						
	998	Infant exposure												1	1						
		LOCAL INJURIES.																			
		Injuries of the Head and Face.																			
		A of the Head.																			
Local Injuries.	1003	Concussion of the brain, knocked down by the horse of a brougham									1				1						
		„ „ „ accidental fall on the road		1											1						
		Compression of brain and fracture of inner table, accidental fall into the hold of a steamer		1											1						
		„ „ „ rupture of middle meningial artery caused by a blow with a faggot of fuel, homicidal									1				1						
		Injuries to the head, fall from the 3rd storey of a house	1												1						
		Shock due to injuries caused by the fall of grain bags on his head and back		1											1						
		Shock from injuries to head by his having walked to a Victoria while trying to cross a road and falling backwards		1											1						
		Shock due to injuries to the head, fall of a stone on his head, accidental					1								1						
		„ contused wound, fall down a stair case, accidental						1							1						
	1004	Fracture of the Skull—																			
		(*a*) Simple—accidental							1						1						
		„ fall from the main mast of S.S. "Canning," accidental								1					1						
		„ run over by the mother in bed								1					1						
		„ fall from the 3rd storey of a house									1	2		1	4						
		„ fall into the sweepers' gully, a distance of 24 or 25 feet										1			1						
		„ fall from the 2nd storey of a house, accidental				1									1						

Local Injuries.

No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
	Fracture of the skull—													
	(a) Simple—run over by a Railway Engine, accidental													2
	" threw himself from a window on the 1st storey of a house, suicidal										2			2
	" fall, accidental										1			1
	" fall from a window of a house, accidental											1		1
	" caused by the kick of a horse, accidental											1		1
	" jammed between the buffers of two Railway waggons, accidental												1	1
	" threw himself down from the window on the 2nd storey of a house, suicidal												1	1
	" accidental fall under the wheel of a mortar mill												1	1
	" by his clothes having been accidentally caught between the pulley and the leather of a machine and thrown down on the ground on his head		1											1
	" threw himself down a chawk from the 4th floor of a house, suicidal													1
	" by an accidental breaking of a roller belt at the Wallace Flour Mill and striking him on the forehead		1											1
	" and laceration of the brain caused by his being accidentally jammed between Railway wagons			1										1
	" fall of earth and stone from drain excavation, accidental ...				1									1
	" threw himself down from the 4th storey of a house, suicidal					2								2
	" caused by a shafting of a mill giving way, accidental						1							1
	" fall from a house, accidental						1							1
	" knocked down by a Railway train, accidental							1						1
	" fall from 1st storey of a godown, accidental							1						1
	" and of left thigh, culpable homicide amounting to murder ...	1											1	1
	" and of ribs, culpable homicide amounting to murder	1												1
	" and spine without displacement, falling down a staircase from a height of about 18 feet	1												1
	" by an accidental fall from the window on the 3rd storey of a house.	1												1
	(b) depressed—fall of a house over him, accidental						1							1
1006	(c) Compound—and tetanus—the result of a wound inflicted by a lad with a stone					1								1
	(d) depressed—fall of a stone on his head, accidental					1								1
	" being accidentally struck by a bullock-cart					1								1
	Injury to the skull—fall from a box on which he was standing, accidental ...						1							1
	Fracture of the base of the skull,—threw himself from the window on the 1st storey of a house, suicidal					1								1
	" " fall from the roof of a mill, accidental					1								1
	" " the roof of a house, accidental						1							1
	" " the 4th storey of a house, accidental						1							1
	" " into the hold of a ship, accidental						1							1
	" a portion of a wall of a house falling on him, accidental							1						1
	" fall of a rock over his head while working in a stone quarry							1	2				1	2
	" knocked down by the horse of a landau													1
	" fall from the window of a house from the height of about 17 feet, accidental									1				1

		" " " knocked down and run over by a carriage ...	2	...	...	...	...	...	...	...	...	...	...	...	...		2
		" " " " " by the bullock of a cart while picking up coal pieces... ...	...	...	1	...	...	...	...	...	...	...	...	...	...		1
		" " " fall from a staircase, accidental	...	...	1	...	...	...	...	...	...	...	...	...	...		1
		" " " " " the 1st storey of the Station Hospital, Colaba, accidental	...	...	...	1	...	...	...	...	...	...	...	...	...		1
		" " " " " the 3rd storey of a house, accidental..	...	...	...	1	...	...	...	...	...	...	...	...	...		1
		" " "	...	...	...	...	...	...	...	...	...	...	...	...	1		1
1007		Wound to the skull by his having committed suicide by shooting himself with a gun while temporarily insane	1	...	...	...	...	...	...	...	...	...	...	...	...		1
		Injuries of the Neck.																
1042		(*a*) Incised wound of throat and hæmorrhage soon after birth, homicidal ...	...	1	...	...	...	...	...	...	...	...	...	...	...		1
		(*b*) Incised wound of neck inflicted with a razor, suicidal	1	...	...	...	...	...	...	...	...	...	...	...	1		2
		Hæmorrhage from cut throat with a razor, suicidal	1	...	...	...	1	...	...	...	...	...	...	1	...		3
		" cut throat, homicidal	...	...	...	...	...	...	...	...	1	...	...	...	...		1
		Injuries of the Chest.																
1049		Fracture of the ribs—fall from the cart and the wheels passing over him, accidental	...	...	...	...	1	...	...	...	...	...	...	...	...		1
		Compound fracture of ribs—fall of a pressed cotton bale from a cart over him	...	...	...	...	1	...	...	...	1	...	...	...	...		1
		Shook due to fracture of ribs—knocked down by the horse of a Victoria ...	...	...	...	...	...	...	...	1	...	...	...	...	...		1
		" " " and injuries to spine—fall from the loft of a house	...	...	...	...	...	...	1	...	...	...	...	...	...		1
1050		Fracture of ribs with injury to lungs—fall from a house from a height of about 40 feet, accidental	...	...	...	...	1	...	...	...	...	...	...	...	...		1
		" " " fall from a bullock-cart in which he was seated, and the cart passing over his chest	...	...	...	...	...	1	...	...	...	...	...	...	...		1
		" " " caused by the fall of a tile over the seat of the injury	...	1	...	...	...	...	...	...	...	...	...	...	...		1
		" " " by a accidental fall from the cart... ...	...	...	1	...	...	...	...	...	...	...	...	...	...		1
		Penetrating fracture of ribs and the skull—fall from a house, accidental ...	...	...	...	...	...	1	...	...	...	...	...	...	...		1
		Rupture of heart, liver and kidney—depressed fracture of skull inflicted with a stick, homicidal	...	...	...	...	...	...	...	...	...	1	...	...	...		1
		Injuries to the chest—fall of a grain bag over him, accidental	...	...	...	...	...	...	...	1	...	...	...	...	...		1
		Injuries of the Back.																
1062		Dislocation of the upper part of the spine caused by an accidental fall of four pieces of wood on his head	1	...	...	...	...	...	...	...	...	...	...	...	...		1
		Fracture of the spine—knocked down by a Victoria, accidental	...	...	...	...	...	...	...	1	...	...	...	...	...		1
		Fracture of spine—fall of a gunny bag over him, accidental	...	...	...	...	...	...	...	...	...	...	...	...	1		1
		" " without displacement caused by a fall of a bale of clothes, accidental	...	1	...	...	...	...	...	...	...	...	...	...	...		1
		" " accidental	...	...	1	...	...	...	...	...	...	...	...	...	...		1
		Injuries of the Abdomen.																
		Rupture of spleen caused by an accidental fall on the road	1	...	...	...	...	...	...	...	...	...	...	...	...		1
		" " and Hæmorrhage caused by blows given to him by another man, homicidal	...	...	...	1	...	...	...	...	...	...	...	...	...		1
		" " " " caused by a kick, homicidal	...	...	...	...	...	...	...	...	...	1	...	...	...		1
		" of intestines, fall from a ladder, accidental	...	...	...	...	...	...	...	...	...	1	...	...	...		1
		Hæmorrhage and rupture of liver—fall from and run over by a bullock-cart, accidental	...	...	...	...	...	...	...	1	...	...	...	...	...		1

	No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
		Injuries of the Abdomen.—contd.													
Local Injuries.	1067	Wound of abdomen by a gun, accidental		1											1
		Internal injuries—Fall from the roof of a house, accidental				1									1
		" " " of a house over him					1								1
		" " Run over by a carriage, accidental					1								1
		" " Jammed between the buffers of two wagons							1						1
		" " Fall with the cargo from his head							1						1
		" " Knocked down by a tram-car							1						1
		" " Fall from the verandah of a house, accidental										1			1
		" " Run over by a bullock-cart, accidental										1			1
		" " to abdomen—run over by his cart, accidental					1								1
		" " " Run over by a private cart, accidental							1						1
		Shock due to internal abdominal injuries—knocked down and run over by a dog-cart, accidental								1					1
		Injuries to the organs of the belly—fall from a height of 11 feet on a stone pavement							1						1
		Injuries to abdomen—Fall of a bale of goods, accidental			1										1
		Shock due to internal abdominal injuries caused by an accidental fall from the cart and the wheels passing over his abdomen		1											1
		Concussion of the stomach caused by having been kicked by the bullock of a cart		1											1
		Perforation of bowels—knocked down by a horse, accidental						1							1
		Peritonitis following penetrating wound of abdomen—stabbed himself with a knife, suicidal									1				1
		Internal injuries—knocked down by bullock-cart, accidental											1		1
		Hæmorrhage from stab wounds inflicted with a knife, homicidal												3	3
		Rupture of the spleen—circumstances unknown												1	1

		Injuries of the Pelvis.																	
		Rupture of viscera—kicked by a horse, accidental	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Diaphragmatic hernia of stomach traumatic—accidental fall from the 2nd storey of a chawl	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Fracture of the femur—accidental fall on board the ship during his passage to Bombay	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
		Injuries of the Upper Extremities.																	
		Fracture of the thigh—fall from a staircase, accidental	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		„ of radius and ulna—fall from his cart and the wheels passing over his left fore-arm	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1
		„ of the left arm—fall from the table on which he had slept, accidental...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		„ of the left thigh bone—fall on the road, accidental	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		„ of the hip, accidental fall	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
		Compound communitted fracture of thigh bone—run over by a cart, accidental.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
		Compound communitted fracture of thigh ulna—knocked down by a run-away mare, accidental	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
		Simple fracture of arm——run over by a Victoria, accidental	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Fracture of the thigh hamourous and ulna—fall from a staircase, accidental.	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1
		Injuries of the Lower Extremities.																	
	1123	Fracture of cervix femoris intra capsul—accidental fall while going to the latrine at night	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1
	1127	Compound fracture of leg—fall on the stone steps of a tank, accidental ...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		„ „ of left leg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
		Hæmorrhage caused by a big stone falling on the left leg	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Wound of the leg and exhaustion caused by his having been knocked down and run over by the wheels of a cart, accidental...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
	1130	Fracture of foot bone, accidental	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1

	No. in the Nomenclature of Diseases.	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
		Injuries not Classified.													
Local Injuries.		Shock caused by an accidental fall from the horse-back	1												1
		Shock due to injuries accidentally received by being knocked down by a bullock-cart	1												1
		Shock due to an accidental fall from 2nd storey of a house									1				1
		Shock due to an accidental fall being knocked down by the horse of a phaeton.									1				1
		Shock due to injuries—knocked down and run over by a bullock-cart, accidental.												1	1
		Crushed under the machinery of Lukmidas Khimjee Mill, accidental		1											1
		Injuries—accidental fall from the scaffolding from a height of about 35 feet.		1											1
		Injuries and shock caused by an accidental fall from the balcony of a house.		1											1
		Injury by an accidental fall from the 3rd storey of a house								1					1
		Injury received by an accidental fall from a window										1			1
		Injuries—accidental fall from a 4th storey of a house											1		1
		„ „ fall into the hold of a ship												1	1
		„ accidental											1		1
		Accidental fall		1								1		2	4
		Shock due to extensive injuries received by an explosion of Gunpowder										1			1
		Knocked down by a tramway horse, accidental										1			1
		Accidental fall into the hold of S. S. "Khandalla"								1					1
		Run over by a cart, accidental				1	1								2
		Accident on board the steamship					1								1
		Accidental fall into the hold of a ship		1											1

V.

CAUSES of DEATHS at different Ages amongst JAINS during the Year beginning 1st January 1902.

| | | MALES. | | |

VI.

CAUSES of DEATHS at different Ages amongst BRAHMINS during the Year beginning 1st January 1902.

| | | MALES. | | |

VII.

CAUSES of DEATHS at different Ages among LINGAETS during the Year beginning 1st January 1902.

| | | MALES. | | |

VIII.

CAUSES of DEATHS at different Ages amongst BHATIAS during the Y[illegible] beginning 1st January 1902.

| | | MALES. | | |

CAUSES of DEATHS at different Ages amongst HINDUS of OTHER CASTES during the Year beginning 1st January 1902.

| | | MALES. | | |

X.

CAUSES of DEATHS at different Ages amongst HINDUS LOW-CASTE, during the Year beginning 1st January 1902.

| | MALES. | | |

XI.

CAUSES of DEATHS at different Ages among MUSSULMANS during the Year beginning 1st January 1902.

| | | MALES. | | |

XII.

CAUSES of DEATHS at different Ages amongst PARSEES during the Year beginning 1st January 1902.

| | | MALES. | | |

XIII.

CAUSES of DEATHS at different Ages amongst JEWS during the Year beginning 1st January 1902.

| | | MALES. | | |

XIV.

CAUSES of DEATHS at different Ages amongst NATIVE CHRISTIANS and GOANESE during the Year beginning 1st January 1902.

| | MALES. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | FEMALES. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | PERSONS. | | | | | | | | | | | | | | | | | | |

CAUSES of DEATHS at different Ages amongst EURASIANS during the Year beginning 1st January 1902.

| | | MALES. | | |

CAUSES of DEATHS at different Ages amongst EUROPEANS during the Year beginning 1st January 1902.

| | | MALES. | | |

CAUSES of DEATHS at different Ages amongst NEGRO-AFRICANS during the Year beginning 1st January 1902.

| | MALES. | | |

XVIII.

CAUSES of DEATHS at different Ages amongst BUDDHISTS during the Year beginning 1st January 1902.

| | | MALES. | | |

XIX.

CAUSES of DEATHS at different Ages amongst OTHER and UNKNOWN RACE or CASTE during the Year beginning 1st January 1902.

| | | MALES. | | |

XX.

CAUSES of DEATHS at different Ages amongst ALL RACES and CASTES during the Year beginning 1st January 1902.

| | | MALES. | | | | | | | | | | | | | | | | | | | | | | | | | FEMALES. | | | | | | | | | | | | | | | | | | | | | | | | PERSONS. | | | | | | | | | | | | | | | | | | |

XXI.

DEATHS from different CAUSES in different Months arranged in Quarters for the Year beginning 1st January 1902.

CAUSES OF DEATHS.	MALES. 1st Quarter. January.	February.	March.	Total.	2nd Quarter. April.	May.	June.	Total.	3rd Quarter. July.	August.	September.	Total.	4th Quarter. October.	November.	December.	Total.
GENERAL DISEASES. A Fe. Per. Small-pox	10	22	20	52	16	19	10	45	12	9	7	28	4	4	16	14
Measles	1	5	14	20	18	13	19	50	24	23	27	74	49	65	60	174
Enteric	3	3	7	13	13	9	6	28	4	2	2	8	2	2	5	9
Simple continued	11	2	3	16	2	3	6	11	5	8	3	17	5	7	2	14
Ague and Remittent	328	371	539	1238	220	116	125	471	161	193	208	560	162	113	115	390
Relapsing	64	76	47	187	43	40	31	114	24	29	22	75	23	20	16	59
Cholera	5	..	9	23	3	7	4	14	5	5	..	10	3	1	2	6
Plague	914	1745	2385	5044	1768	741	164	2673	97	106	160	363	243	339	397	1079
Whooping Cough	10	6	2	18	2	1	4	7	7	1	1	9	3	1	1	5
All other diseases classed under Section A of General Diseases	4	5	4	13	9	2	6	17	2	10	5	17	3	6	3	12
B Leprosy	5	4	2	11	7	9	6	22	2	3	7	12	9	10	5	24
Dropsy	6	9	6	21	5	4	3	12	..	4	4	8	5	3	4	12
Phthisis	235	292	276	803	185	117	97	399	91	95	72	258	100	90	93	283
All other diseases classed under Section B of General Diseases	62	44	66	172	55	41	65	161	70	66	63	199	80	61	63	204
Diseases of the Nervous system	140	132	195	467	143	141	96	380	135	131	160	426	166	157	157	480
Diseases of the Eye, Ear and Nose	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..
Diseases of the Circulatory system	24	22	26	72	22	18	20	60	21	24	20	65	21	10	23	54
Diseases of the Absorbent system and ductless glands	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the Respiratory system	342	464	416	1222	293	207	223	723	309	236	353	998	876	320	358	1056
Diseases of the Digestive system — Diarrhœa	108	103	104	315	100	76	72	247	98	133	133	364	83	92	86	261
Dysentery	76	81	94	251	90	53	48	191	61	73	79	213	58	81	79	198
All other diseases classed under Digestive system	64	60	65	189	56	44	51	151	48	67	55	170	62	50	49	161
Diseases of the Urinary system	15	16	15	46	8	9	9	26	11	14	14	39	14	21	14	49
Diseases of the Generative system	1	..	..	1	2	1	1	4	1	1	1	3	..	..	..	..
Diseases of the Organs of Locomotion and Cellular Tissue	5	7	3	15	4	4	3	11	2	2	10	21	11	9	12	32
Diseases of the Cutaneous system	1	3	3	7	1	2	2	5	4	1	4	9	2	1	2	5
Conditions not necessarily associated with General or Local Diseases. Premature Birth	3	3	2	8	8	3	1	12	8	11	3	22	4	5	5	14
Old Age	75	88	115	278	69	61	51	181	47	56	56	159	80	84	91	231
Debility	147	148	144	439	183	152	145	520	198	157	128	483	132	138	129	399
Accident and Violence. Poisons	3	..	..	3	1	2	6	6	6	6	6	18	9	5	1	15
General Injuries	26	16	18	60	16	17	30	63	14	12	16	42	22	25	15	62
Local Injuries	10	15	8	33	8	17	10	35	11	8	4	23	11	4	17	32
Drowning	7	6	6	19	7	11	11	29	14	8	9	31	7	10	8	25
Unspecified Causes	1	1	4	6	1	..	1	2	..	2	2	4	1	1	3	5
Total	2709	3710	4631	11050	3370	1975	1325	6670	1500	1597	1632	4729	1846	1708	1824	5377
Cholera, Small-pox, Measles and Plague	930	1781	2428	5139	1805	777	200	2782	188	143	194	476	399	409	475	1283
All other Causes	1779	1929	2203	5911	1565	1198	1125	3888	1312	1454	1438	4254	1446	1299	1349	4094
Still-born	95	93	110	298	95	91	71	257	94	125	105	324	98	95	83	276

CAUSES OF DEATHS.	FEMALES. 1st Quarter. January.	February.	March.	Total.	2nd Quarter. April.	May.	June.	Total.	3rd Quarter. July.	August.	September.	Total.	4th Quarter. October.	November.	December.	Total.
GENERAL DISEASES. A Fe. Per. Small-pox	3	10	15	28	19	22	18	59	12	12	5	32	6	4	10	20
Measles	2	6	11	19	22	18	26	66	24	21	32	77	38	55	69	162
Enteric	1	2	2	5	5	6	1	12	1	2	2	5	..	2	..	2
Simple continued	4	1	7	12	4	3	2	9	6	5	3	14	3	1	2	6
Ague and Remittent	163	238	310	711	165	91	80	336	107	122	114	343	100	89	94	283
Relapsing	26	27	28	81	18	16	24	58	23	14	12	49	13	9	6	28
Cholera	..	3	5	8	4	1	1	6	2	..	2	4	1	1	1	3
Plague	385	786	1224	2395	1022	437	105	1564	32	48	71	149	193	177	173	543
Whooping Cough	7	3	4	14	1	4	2	7	4	5	4	13	5	2	3	10
All other diseases classed under Section A of General Diseases	44	57	59	160	54	45	51	150	40	44	52	136	51	56	46	153
B Leprosy	2	2	7	11	2	3	3	8	1	4	5	10	6	7	1	14
Dropsy	1	4	6	11	6	4	3	13	3	7	2	12	5	6	3	14
Phthisis	216	256	360	832	270	170	138	578	115	118	141	374	147	155	148	450
All other diseases classed under Section B of General Diseases	30	38	56	123	34	56	91	181	78	60	59	197	57	59	66	182
Diseases of the Nervous system	93	105	140	338	111	97	68	276	104	91	123	318	129	89	124	342
Diseases of the Eye, Ear and Nose	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Diseases of the Circulatory system	6	12	15	33	8	6	11	25	7	6	10	23	9	12	11	32
Diseases of the Absorbent system and ductless glands	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Diseases of the Respiratory system	224	312	325	871	267	203	187	657	261	281	277	819	304	279	321	904
Diseases of the Digestive system — Diarrhœa	89	64	75	228	89	104	78	271	103	113	111	327	101	69	76	246
Dysentery	36	54	53	143	45	45	24	114	36	53	60	149	43	37	38	118
All other diseases classed under Digestive system	31	30	38	102	48	33	36	117	43	41	32	116	27	31	37	95
Diseases of the Urinary system	10	9	4	23	5	6	6	17	7	6	6	19	10	3	9	22
Diseases of the Generative system	34	28	37	99	45	20	10	75	12	13	17	42	16	13	12	41
Diseases of the Organs of Locomotion and Cellular Tissue	1	3	1	5	5	3	3	11	2	2	2	6	2	3	2	7
Diseases of the Cutaneous system	1	2	..	3	1	2	1	4	1	2	2	5	..	1	2	3
Conditions not necessarily associated with General or Local Diseases. Premature Birth	5	5	2	12	3	1	5	9	5	2	5	12	6	3	2	11
Old Age	98	114	118	330	105	82	51	238	65	66	74	205	77	80	71	228
Debility	120	163	147	420	161	132	113	406	148	117	134	399	97	107	74	278
Accident and Violence. Poisons	..	..	5	5	3	1	2	6	3	1	2	6	..	5	1	6
General Injuries	15	11	11	37	12	3	5	24	5	14	10	29	18	13	10	35
Local Injuries	5	2	1	8	2	3	3	8	1	4	4	9	6	3	2	11
Drowning	1	6	5	12	1	2	4	7	2	4	2	8	6	2	4	12
Unspecified Causes	1	..	1	2	..	1	..	1	..	..	3	3	1	..	..	1
Total	1680	2315	3069	7094	2547	1623	1152	5322	1254	1276	1281	3811	1470	1373	1418	4261
Cholera, Small-pox, Measles and Plague	390	805	1255	2450	1077	478	150	1705	78	79	113	262	238	237	254	729
All other Causes	1290	1510	1814	4644	1470	1145	1002	3617	1184	1197	1268	3649	1232	1136	1164	3532
Still-born	76	75	84	235	75	65	77	221	64	77	81	222	71	60	53	184

CAUSES OF DEATHS.	PERSONS. 1st Quarter. January.	February.	March.	Total.	2nd Quarter. April.	May.	June.	Total.	3rd Quarter. July.	August.	September.	Total.	4th Quarter. October.	November.	December.	Total.	Total.
GENERAL DISEASES. A Fe. Per. Small-pox	13	32	35	80	35	38	31	104	24	21	15	60	10	8	26	44	288
Measles	3	11	25	39	40	31	45	116	48	44	39	131	87	120	129	336	642
Enteric	4	5	9	18	18	15	7	40	5	4	4	13	2	11	5	18	89
Simple continued	15	3	10	28	6	6	8	20	12	13	6	31	8	8	4	20	99
Ague and Remittent	491	609	849	1949	393	297	203	893	283	315	320	903	282	202	203	687	4330
Relapsing	90	103	75	268	61	56	55	172	47	43	34	124	36	23	22	81	651
Cholera	7	5	8	20	7	5	2	14	4	2	4	10	1	4	2	7	75
Plague	1299	2531	3609	7439	2800	1178	269	4247	122	152	231	512	536	516	570	1622	13820
Whooping Cough	17	8	7	32	3	5	6	14	11	6	5	22	8	3	4	15	83
All other diseases classed under Section A of General Diseases	48	62	63	173	68	47	57	167	42	54	57	153	54	69	49	165	658
B Leprosy	7	9	9	25	9	12	9	30	3	7	12	22	14	17	6	37	114
Dropsy	7	13	13	33	11	8	6	25	3	11	6	20	10	9	7	26	108
Phthisis	1615	455	287	235	977	206	213	213	632	247	245	241	133	3957			
All other diseases classed under Section B of General Diseases	450	500	686	1615	455	287	235	977	206	213	213	632	247	245	241	133	3957
Diseases of the Nervous system	233	237	335	805	254	238	164	656	239	222	283	744	295	246	281	822	3027
Diseases of the Eye, Ear and Nose	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	1	2
Diseases of the Circulatory system	30	34	41	105	30	24	31	85	28	30	30	88	30	22	34	86	364
Diseases of the Absorbent system and ductless glands	..	..	2	2	1	..	..	1	..	..	..	..	..	..	..	..	3
Diseases of the Respiratory system	576	776	741	2093	560	410	410	1380	570	617	630	1817	682	599	679	1960	7250
Diseases of the Digestive system — Diarrhœa	197	167	179	543	189	179	150	518	201	246	244	691	190	161	163	514	2268
Dysentery	112	135	147	394	135	98	72	305	97	126	139	362	101	98	117	314	1377
All other diseases classed under Digestive system	98	90	103	291	104	77	87	268	91	108	87	286	89	81	86	256	1101
Diseases of the Urinary system	25	25	19	69	13	15	15	43	18	20	20	58	24	24	23	71	241
Diseases of the Generative system	35	28	37	100	47	21	11	79	13	14	18	45	16	13	12	41	265
Diseases of the Organs of Locomotion and Cellular Tissue	6	10	4	20	9	7	6	22	11	4	12	27	13	12	14	39	108
Diseases of the Cutaneous system	3	2	3	8	4	3	3	10	2	4	3	9	6	3	6	15	42
Conditions not necessarily associated with General or Local Diseases. Premature Birth	8	8	3	19	8	4	9	21	18	13	8	34	10	8	7	25	160
Old Age	173	202	233	608	174	143	102	419	112	122	130	364	127	160	192	479	1650
Debility	267	301	291	859	344	324	268	926	346	274	262	882	229	235	196	660	3327
Accident and Violence. Poisons	11	3	3	17	6	2	4	12	9	7	8	24	9	10	2	21	74
General Injuries	41	27	29	97	38	21	35	87	19	26	26	71	42	87	25	104	359
Local Injuries	16	17	9	41	11	19	13	43	12	15	8	32	16	7	19	42	358
Drowning	8	12	11	31	8	13	15	36	16	12	11	39	13	12	10	35	141
Unspecified Causes	2	2	1	5	1	1	1	3	..	2	5	7	2	1	3	6	24
Total	7709	8144	5917	3598	2477	11992	2754	2873	3013	8640	3315	2831	3242	9388	48414	Total.	
Cholera, Small-pox, Measles and Plague	1320	2586	3683	7589	2382	1255	350	4487	208	222	307	737	637	616	729	2012	14825
All other Causes	3069	3469	4017	10555	3035	2343	2127	7505	2546	2651	2706	7903	2678	2425	2513	7626	33589
Still-born	171	168	194	533	170	160	148	478	168	202	188	546	167	155	138	460	2017

GENERAL DISEASES. LOCAL DISEASES. Conditions not necessarily associated with General or Local Diseases. Accident and Violence.

XXII.

DEATHS at different AGES in different MONTHS in Quarters for the Year beginning 1st January 1902.

MONTHS.	AGES. Days. 1 to 30	Months. 1 to 6	Months. 7 to 12	Years. 1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 and over	Unspecified Age.	All Ages, exclusive of Still-born.	Still-born.	Total.	MONTHS.
MALES.																								
January	131	121	117	69	37	18	23	141	161	263	301	353	191	201	77	153	56	127	163	6	2,709	95	2,804	January.
February	129	135	101	91	51	30	28	213	279	423	462	491	313	243	113	188	52	157	210	1	3,710	93	3,803	February.
March	114	198	123	90	44	34	38	266	365	549	650	639	361	328	155	190	71	183	232	1	4,631	110	4,741	March.
Quarter, 1st ...	374	454	341	250	132	82	89	620	805	1,235	1,413	1,483	865	772	345	531	179	467	605	8	11,050	298	11,348	Quarter, 1st.
April	142	169	127	85	38	35	21	144	253	343	444	464	240	239	105	160	52	143	166	...	3,370	95	3,465	April.
May	146	147	135	58	37	27	18	71	106	163	215	239	131	138	62	75	33	63	105	1	1,975	91	2,066	May.
June	115	125	115	71	23	14	15	38	52	99	130	110	57	77	43	68	18	61	94	...	1,325	71	1,396	June.
Quarter, 2nd ...	403	441	377	214	98	76	54	253	411	605	789	813	428	454	210	303	103	272	365	1	6,670	257	6,927	Quarter, 2nd.
July	184	172	131	74	37	10	12	54	50	79	117	138	79	89	44	60	18	60	91	1	1,500	94	1,594	July.
August	179	161	149	81	33	19	8	53	41	105	121	151	90	90	46	72	24	70	103	1	1,597	125	1,722	August.
September	189	125	131	70	43	22	13	56	55	89	139	172	92	95	55	63	26	85	113	...	1,632	105	1,737	September.
Quarter, 3rd ...	552	458	411	225	113	51	33	163	146	273	377	461	261	274	145	195	68	215	306	2	4,729	324	5,053	Quarter, 3rd.
October	177	189	139	87	38	19	16	67	73	140	137	169	108	105	61	94	24	81	121	...	1,845	96	1,941	October.
November	172	137	127	78	41	23	20	56	56	118	142	129	110	92	51	72	42	92	150	...	1,708	95	1,803	November.
December	152	107	142	93	46	26	23	60	77	140	159	167	110	100	71	90	35	77	149	...	1,824	85	1,999	December.
Quarter, 4th ...	501	433	408	258	125	68	59	183	206	398	438	465	328	297	183	256	101	250	420	...	5,377	276	5,653	Quarter, 4th.
FEMALES.																								
January	113	93	80	67	40	15	21	123	116	156	165	145	72	87	37	75	22	81	172	...	1,680	76	1,756	January.
February	115	117	90	71	50	29	30	207	188	282	227	209	107	142	45	95	29	123	188	1	2,345	75	2,420	February.
March	104	145	128	71	54	34	36	307	305	352	355	283	149	157	74	132	42	137	204	...	3,069	84	3,153	March.
Quarter, 1st ...	332	355	298	209	144	78	87	637	609	790	747	637	328	386	156	302	93	341	564	1	7,094	235	7,329	Quarter, 1st.
April	115	130	123	84	52	25	36	213	193	303	270	226	140	148	44	108	28	120	189	...	2,547	75	2,622	April.
May	90	153	128	84	50	18	37	87	96	157	157	129	67	92	24	49	13	68	123	1	1,623	69	1,692	May.
June	115	105	99	64	30	9	13	53	46	125	99	98	50	45	24	40	16	41	80	...	1,152	77	1,229	June.
Quarter, 2nd ...	320	388	350	232	132	52	86	353	335	585	526	453	257	285	92	197	57	229	292	1	5,322	221	5,543	Quarter, 2nd.

July	135	140	142	92	28	6	18	44	54	77	103	82	54	43	25	38	16	52	104	1	1,254	64	1,318	July.
August	115	131	152	67	34	22	12	57	60	103	101	102	49	47	22	31	19	58	94	...	1,276	77	1,353	August.
September	166	129	116	82	42	27	13	57	63	125	124	97	56	37	22	47	11	55	111	1	1,381	81	1,462	September.
Quarter, 3rd ...	416	400	410	241	104	55	43	158	177	305	328	281	159	127	69	116	46	165	309	2	3,911	222	4,133	Quarter, 3rd.
October	146	144	126	74	39	21	18	84	68	136	116	107	56	57	26	50	18	62	121	1	1,470	71	1,541	October.
November	122	116	118	70	52	17	17	68	74	116	123	102	37	69	23	45	18	58	127	1	1,373	60	1,433	November.
December	105	117	137	96	57	23	16	57	75	102	129	106	54	55	35	54	17	62	121	...	1,418	53	1,471	December.
Quarter, 4th ...	373	377	381	240	148	61	51	209	217	354	368	315	147	181	84	149	53	182	369	2	4,261	184	4,445	Quarter, 4th.

PERSONS.

January	244	214	197	136	77	33	44	264	277	419	466	498	263	288	114	228	78	208	335	6	4,389	171	4,560	January.
February	244	252	191	162	101	59	58	420	467	705	689	700	420	385	158	283	81	280	398	2	6,055	168	6,223	February.
March	218	343	251	161	98	68	74	573	670	901	1,005	922	510	485	229	322	113	320	436	1	7,700	194	7,894	March.
Quarter, 1st ...	706	809	639	459	276	160	176	1,257	1,414	2,025	2,160	2,120	1,193	1,158	501	833	272	808	1,169	9	18,144	533	18,677	Quarter, 1st.
April	257	299	250	169	90	60	57	357	446	646	714	690	380	387	149	268	80	263	355	...	5,917	170	6,087	April.
May	236	300	263	142	87	45	55	158	202	320	372	368	198	230	86	124	46	136	228	2	3,598	160	3,758	May.
June	230	230	214	135	53	23	28	91	98	224	229	208	107	122	67	108	34	102	174	...	2,477	148	2,625	June.
Quarter, 2nd ...	723	829	727	446	230	128	140	606	746	1,190	1,315	1,266	685	739	302	500	160	501	757	2	11,992	478	12,470	Quarter, 2nd.
July	319	312	273	166	65	16	30	98	104	156	220	220	133	132	69	98	34	112	195	2	2,754	158	2,912	July.
August	294	292	301	148	67	41	20	110	101	208	222	253	139	137	68	103	43	128	197	1	2,873	202	3,075	August.
September	355	254	247	152	85	49	26	113	118	214	263	269	148	132	77	110	37	140	223	1	3,013	186	3,199	September.
Quarter, 3rd ...	968	858	821	466	217	106	76	321	323	578	705	742	420	401	214	311	114	380	615	4	8,640	546	9,186	Quarter, 3rd.
October	323	333	265	161	77	40	34	151	141	276	253	276	164	162	87	144	42	143	242	1	3,315	167	3,482	October.
November	294	253	245	148	93	40	37	124	130	234	265	231	147	161	74	117	60	150	277	1	3,081	155	3,236	November.
December	257	224	279	189	103	49	39	117	152	242	288	273	164	155	106	144	52	159	270	...	3,242	138	3,380	December.
Quarter, 4th ...	874	810	789	498	273	129	110	392	423	752	806	780	475	478	267	405	154	432	789	2	9,638	460	10,098	Quarter, 4th.
Year...	3,271	3,306	3,976	1,869	996	523	502	2,576	2,906	4,545	4,986	4,908	2,773	2,776	1,284	2,049	700	2,121	3,330	17	48,414	2,017	50,431	Year.
Months.	1 to 30	1 to 6	7 to 12	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 and over	Unspecified Age.	All Ages, exclusive of Still-born.	Still-born.	Total.	Months.
	Days.	Months.		Years.																			
	AGES.																						

XXIII.

DEATHS at different AGES in different LOCALITIES during the Year beginning 1st January 1902.

Ages.	A						B					C							D						E								F				G						Ages.
	Upper Colaba.	Middle and Lower Colaba.	Fort, Southern.	Fort, Northern.	Esplanade.	Total.	Mandvi.	Chuckla.	Umarkhadi.	Dongri.	Total.	Market.	Dhobi Talao.	Panaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Total.	Khetwadi.	Girgaum.	Chaupati.	Walkeshwar.	Mahalakshmi.	Total.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Total.	Parel.	Sewri.	Sion.	Total.	Mahim.	Worli.	Total.	Harbour and Docks, Railways and Homeless.	Total.	
	1	2	3	4	5	Total.	1	2	3	4	Total.	1	2	3	4	5	6	Total.	1	2	3	4	5	Total.	1	2	3	4	5	6	7	Total.	1	2	3	Total.	1	2	Total.			
Days 1 to 30	8	88	4	91	28	159	167	97	216	155	635	97	95	58	115	115	138	618	111	71	37	23	55	297	102	170	96	162	124	316	12	982	158	26	87	271	114	184	298	1	3271	Days 1 to 30
Months 1 to 6	8	39	2	94	16	159	262	143	276	158	839	126	84	62	139	167	153	731	93	48	18	13	38	210	101	133	117	141	115	293	7	907	133	18	77	228	71	161	232	..	3306	Months 1 to 6
„ 7 to 12	2	35	2	80	14	133	197	99	211	178	685	112	114	50	120	108	132	636	72	70	21	14	57	234	87	96	107	147	99	262	13	811	148	20	73	241	79	157	236	..	2976	„ 7 to 12
Years 1 to 2	1	24	..	59	9	93	112	73	139	92	416	74	70	33	70	61	78	386	55	48	17	10	39	169	59	45	62	86	43	188	4	487	103	18	28	149	49	120	169	..	1868	Years 1 to 2
„ 2 to 3	4	9	1	84	4	52	46	18	82	38	184	35	24	15	23	28	38	163	32	33	7	4	23	99	30	42	33	56	23	118	4	306	55	6	19	80	31	81	112	..	996	„ 2 to 3
„ 3 to 4	..	4	..	10	2	16	21	24	51	30	126	23	17	6	11	20	21	98	9	19	2	2	9	41	13	14	18	28	13	53	2	141	19	6	11	36	23	42	65	..	523	„ 3 to 4
„ 4 to 5	1	7	1	9	3	21	22	14	35	22	93	23	14	8	19	16	26	106	16	14	4	2	12	48	25	18	12	24	18	54	..	151	18	3	11	32	16	35	51	..	502	„ 4 to 5
„ 5 to 10	1	25	1	50	8	85	119	87	186	108	500	96	76	46	99	87	99	503	81	86	19	19	57	262	107	77	74	139	80	245	12	734	120	28	83	231	89	168	257	4	2576	„ 5 to 10
„ 10 to 15	5	42	1	74	19	141	169	128	207	112	616	108	101	55	128	91	120	603	79	117	11	19	37	263	106	72	93	131	70	277	5	754	149	22	74	245	101	176	277	7	2906	„ 10 to 15
„ 15 to 20	6	58	5	132	27	228	251	158	298	171	878	225	162	121	207	143	222	1080	143	165	27	19	94	448	129	135	145	200	137	392	10	1148	230	26	120	376	135	249	384	3	4545	„ 15 to 20
„ 20 to 25	14	63	7	150	44	278	259	155	353	211	978	246	166	156	233	163	247	1213	154	176	35	44	68	477	144	159	142	237	132	420	16	1250	200	36	116	352	128	289	417	21	4986	„ 20 to 25
„ 25 to 30	15	77	5	158	38	303	220	114	334	219	887	190	141	117	219	124	215	1006	166	193	27	34	85	505	197	195	151	251	157	445	12	1408	220	58	135	423	131	235	366	10	4908	„ 25 to 30
„ 30 to 35	8	48	1	99	26	182	136	90	168	97	491	117	100	71	146	81	120	635	84	90	20	26	39	259	103	108	67	132	97	216	13	736	111	23	80	214	70	173	243	13	2773	„ 30 to 35
„ 35 to 40	9	36	3	104	20	172	127	102	209	114	552	100	91	66	123	92	133	605	84	83	17	26	45	255	88	91	113	137	58	236	12	735	117	26	82	225	88	131	219	13	2776	„ 35 to 40
„ 40 to 45	3	25	2	52	6	88	77	47	99	32	255	75	65	31	68	32	49	320	29	51	13	10	22	125	49	31	40	60	33	72	3	288	34	7	43	84	57	62	119	5	1284	„ 40 to 45
„ 45 to 50	4	28	1	82	18	133	108	65	183	69	425	86	96	38	93	68	74	454	56	66	15	13	33	183	75	60	66	116	49	155	5	526	71	18	53	142	72	111	183	3	2049	„ 45 to 50
„ 50 to 55	2	12	4	61	5	84	37	30	48	25	140	43	44	19	37	18	24	185	22	26	8	3	11	70	17	28	24	7	8	38	5	127	20	3	22	45	24	21	45	4	700	„ 50 to 55
„ 55 to 60	2	28	2	70	14	116	116	77	162	75	430	92	87	51	105	75	70	480	85	66	13	15	23	182	94	58	74	143	42	159	8	578	86	16	49	151	61	117	178	6	2121	„ 55 to 60
60 and Over	6	24	3	144	15	192	188	143	306	103	740	131	140	79	168	151	116	785	111	105	31	21	72	340	139	71	166	134	95	202	13	813	99	15	87	201	97	158	255	4	3330	60 and Over
Unspecified Age	..	..	..	..	2	2	..	..	1	..	1	6	..	..	..	..	1	7	..	1	..	..	..	1	1	2	..	..	..	1	..	4	..	..	..	..	..	2	2	..	17	Unspecified Age.
All Ages	109	622	45	1553	318	2647	2634	1664	3564	2009	9871	2006	1687	1082	2123	1640	2076	10614	1462	1528	342	317	819	4468	1659	1605	1600	2331	1393	4142	156	12886	2101	375	1250	3726	1436	2672	4108	94	48814	All Ages.

	A						B					C							D						E								F				G						
	Upper Colaba.	Middle and Lower Colaba.	Fort, Southern.	Fort, Northern.	Esplanade.	Total.	Mandvi.	Chuckla.	Umarkhadi.	Dongri.	Total.	Market.	Dhobi Talao.	Panaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Total.	Khetwadi.	Girgaum.	Chaupati.	Walkeshwar.	Mahalakshmi.	Total.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Total.	Parel.	Sewri.	Sion.	Total.	Mahim.	Worli.	Total.	Harbour and Docks, Railways and Homeless.	Total.	
	1	2	3	4	5		1	2	3	4		1	2	3	4	5	6		1	2	3	4	5		1	2	3	4	5	6	7		1	2	3		1	2				
	A						B					C							D						E								F				G						

XXIV.

DEATHS at different LOCALITIES in different MONTHS, arranged in Quarters, for the year beginning 1st January 1902.

Months.	A						B					C							D						E								F			G			Harbour and Docks, Railways and Homeless.	Bombay.	Still-born.	Total, including Still-born.	Months.
	Upper Colaba.	Middle and Lower Colaba.	Fort, Southern.	Fort, Northern.	Esplanade.	Total.	Mandvi.	Chukla.	Umarkhadi.	Dongri.	Total.	Market.	Dhobi Talao.	Fanaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Total.	Khetwadi.	Girgaum.	Chaupati.	Walkeshwar.	Mahalakshmi.	Total.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Total.	Parel.	Sewri.	Sion.	Total.	Mahim.	Worli.	Total.				
	1	2	3	4	5		1	2	3	4		1	2	3	4	5	6		1	2	3	4	5		1	2	3	4	5	6	7		1	2	3		1	2					
January	4	45	1	138	15	203	197	145	335	126	803	179	187	63	178	144	195	966	124	202	14	30	70	440	175	113	135	197	172	450	30	1272	241	38	132	411	105	187	292	2	4389	171	4560	January.
February	10	51	7	211	41	320	234	189	399	171	993	245	275	163	259	182	288	1404	189	324	25	56	110	704	236	137	145	293	230	548	29	1618	289	75	178	542	174	291	465	9	6055	168	6223	February.
March	24	90	12	202	35	363	323	260	548	279	1410	295	232	221	313	201	288	1550	290	332	44	54	130	850	325	184	240	402	230	753	28	2162	325	72	222	619	291	457	748	8	7700	194	7894	March.
Quarter 1st ..	38	186	20	551	91	886	754	594	1282	576	3206	719	694	467	750	527	763	3920	603	858	83	140	310	1994	736	434	520	892	632	1751	77	5042	855	185	532	1572	570	935	1505	19	18144	533	18677	Quarter 1st.
April	21	97	10	149	25	302	327	192	402	253	1174	231	145	127	242	191	261	1197	183	183	31	35	127	509	227	219	182	279	135	459	28	1529	265	46	168	479	257	458	715	12	5917	170	6087	April.
May	12	62	1	102	32	209	227	164	238	178	807	140	101	65	162	132	180	780	98	73	28	13	49	266	127	132	101	171	93	288	13	925	137	33	95	265	110	229	339	7	3598	160	3758	May.
June	11	33	1	86	17	148	145	96	210	125	576	92	88	47	105	94	103	529	67	47	17	19	51	201	56	98	121	130	61	180	11	657	102	12	53	167	54	135	189	10	2477	148	2625	June.
Quarter 2nd..	44	192	12	337	74	659	699	452	850	556	2557	463	334	239	509	417	544	2506	348	253	76	72	227	976	410	449	404	580	289	927	52	3111	504	91	316	911	421	822	1243	29	11992	478	12470	Quarter 2nd.
July	7	27	3	84	28	149	166	108	217	120	611	124	132	59	116	122	105	658	79	77	28	19	40	243	63	129	109	137	67	201	3	709	113	18	52	183	79	117	196	5	2754	158	2912	July.
August	5	25	5	106	16	157	178	90	221	141	630	122	103	54	142	92	119	632	84	56	25	17	45	227	90	124	106	135	77	218	7	757	127	18	70	215	80	168	248	7	2873	202	3075	August.
September	3	40	1	99	27	170	207	78	239	145	669	131	109	61	148	114	132	695	82	71	27	13	42	235	88	117	112	151	84	239	5	796	129	11	71	211	70	164	234	3	3013	186	3199	September.
Quarter 3rd ..	15	92	9	289	71	476	551	276	677	406	1910	377	344	174	406	328	356	1985	245	204	80	49	127	705	241	370	327	423	228	658	15	2262	369	47	193	609	229	449	678	15	8640	546	9186	Quarter 3rd.
October	8	55	..	146	30	234	248	101	274	178	801	165	108	70	141	138	151	773	76	74	38	19	47	254	89	107	126	165	88	247	4	826	134	16	66	216	60	141	201	10	3315	167	3482	October.
November	8	47	..	118	25	198	206	122	243	137	710	138	108	52	147	110	117	672	100	62	31	11	49	253	101	124	83	128	68	265	3	772	131	19	74	224	86	156	242	10	3081	155	3236	November.
December	1	50	4	112	27	194	176	119	236	156	687	144	99	80	170	120	145	758	90	77	34	26	59	286	82	121	140	143	88	294	5	873	108	17	69	194	70	169	239	11	3242	138	3380	December.
Quarter 4th..	12	152	4	376	82	626	630	342	755	471	2198	447	315	202	458	368	413	2203	266	213	103	56	155	793	272	352	349	436	244	806	12	2471	373	52	209	634	216	466	682	31	9638	460	10098	Quarter 4th.
Total.....	109	622	45	1553	318	2647	2634	1661	3564	2009	9871	2006	1687	1082	2123	1640	2076	10614	1462	1528	342	317	819	4468	1659	1605	1600	2331	1393	4142	156	12886	2101	375	1250	3726	1436	2672	4108	94	48414	2017	50431	Total.
Still-born	4	35	1	62	43	145	92	65	133	133	384	80	78	39	68	58	73	396	60	48	13	13	44	178	70	144	61	82	64	192	6	619	65	15	40	123	60	111	171	1	..	201	201	Still-born.
Total, including Still-born.	113	657	46	1615	361	2792	2726	1723	3697	2103	10255	2086	1765	1121	2191	1698	2149	11010	1522	1576	355	330	863	4646	1729	1749	1661	2413	1457	4334	162	13505	2169	390	1290	3849	1496	2783	4279	95	..	..	50431	Total, including Still-born.
Months.	1	2	3	4	5		1	2	3	4		1	2	3	4	5	6		1	2	3	4	5		1	2	3	4	5	6	7		1	2	3		1	2					Months.
	Upper Colaba.	Middle and Lower Colaba.	Fort, Southern.	Fort, Northern.	Esplanade.	Total.	Mandvi.	Chukla.	Umarkhadi.	Dongri.	Total.	Market.	Dhobi Talao.	Fanaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Total.	Khetwadi.	Girgaum.	Chaupati.	Walkeshwar	Mahalakshmi.	Total.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Total.	Parel.	Sewri.	Sion.	Total.	Mahim.	Worli.	Total.	Harbour and Docks, Railways and Homeless.	Bombay.	Still-born.	Total, including Still-born.	
	A						B					C							D						E								F			G							

X

TABLE showing the DEATHS in different

Wards.	SECTIONS.	GENERAL DISEASES.													LOCAL		
				FEVERS.													
		Small-pox.	Measles.	Enteric.	Simple continued.	Malarial, including Ague.	Remittent.	Relapsing Fever.	Cholera.	Plague.	Whooping Cough.	Leprosy.	Dropsy.	Phthisis.	Nervous System.	Circulatory System.	Respiratory System.
A	Upper Colaba	...	8	10	...	2	5	...	...	16	...	...	...	3	8	5	14
	Middle and Lower Colaba ...	1	9	...	1	...	58	5	...	215	...	...	...	60	32	10	67
	Fort Southern	...	...	4	...	...	2	...	...	17	...	...	...	...	2	5	4
	„ Northen	5	5	11	5	10	110	14	1	430	1	...	6	136	120	31	234
	Esplanade	5	...	5	...	2	6	3	...	44	...	...	...	22	17	5	50
B	Mandvi	46	11	2	32	4	173	17	9	341	2	...	4	191	215	17	529
	Chukla	10	13	...	2	6	95	5	3	365	16	1	7	200	172	18	328
	Umerkhadi	20	56	5	1	26	206	61	4	335	9	1	4	445	267	32	636
	Dongri	14	30	1	2	14	161	138	2	608	1	...	2	102	82	9	276
C	Market	37	23	2	3	4	157	11	6	682	7	...	7	141	140	22	257
	Dhobi Talao	35	14	6	4	16	134	16	6	461	7	...	3	114	130	23	259
	Fanaswadi	4	7	1	6	2	109	2	3	410	2	1	3	70	61	7	159
	Bhuleshwar	5	11	1	7	7	175	4	...	608	7	2	7	224	131	8	379
	Khara Talao	4	31	...	...	8	93	10	1	362	2	1	3	167	197	7	343
	Kumbharwada	8	27	3	2	9	141	23	4	686	5	1	1	176	209	10	319
D	Khetwadi	...	15	3	...	11	102	19	...	468	2	...	1	104	130	9	222
	Girgaum	14	16	3	1	1	125	8	2	576	2	1	5	134	74	10	184
	Chaupati	2	7	...	...	2	24	2	...	82	2	...	2	19	30	8	44
	Walkeshwar	3	...	1	...	...	31	...	1	103	...	1	...	22	16	7	32
	Mahalakshmi	1	16	...	2	11	59	10	1	273	...	2	7	43	53	6	103
E	Mazagon	9	20	6	1	26	257	16	4	433	1	...	2	121	38	10	221
	Tarwadi	2	19	4	1	21	144	43	2	309	2	1	2	94	77	20	214
	2nd Nagpada...	2	37	...	2	6	69	12	4	361	2	1	6	132	187	8	243
	Kamathipura	9	47	2	4	8	131	26	2	686	1	1	3	149	158	9	340
	Tardeo	1	23	...	6	12	63	25	1	430	1	2	1	63	109	2	180
	Byculla	20	79	7	7	130	428	105	5	1141	6	1	9	347	144	16	530
	1st Nagpada	2	1	...	...	2	5	6	...	45	1	...	1	9	12	...	12
F	Parel	4	41	2	3	38	245	22	4	603	1	...	3	182	51	13	294
	Sewri	5	5	...	1	...	42	1	...	145	...	1	1	19	9	2	34
	Sion	11	11	...	3	22	81	9	3	372	1	91	2	89	35	11	137
G	Mahim	3	10	2	2	29	124	4	2	445	1	...	2	126	32	8	225
	Worli	6	50	3	1	53	287	33	3	761	1	2	8	258	85	12	369
	Harbour and Docks, Railways and Homeless.	...	...	5	...	1	5	1	2	7	...	...	1	5	4	4	12
	Total	288	642	89	99	483	3847	651	75	13820	83	111	103	3967	3027	364	7250
Wards.	SECTIONS.	Small-pox.	Measles.	Enteric.	Simple continued.	Malarial, including Ague.	Remittent.	Relapsing Fever.	Cholera.	Plague.	Whooping Cough.	Leprosy.	Dropsy.	Phthisis.	Nervous System.	Circulatory System.	Respiratory System.
		GENERAL DISEASES.													LOCAL		

XV.

LOCALITIES from different CAUSES in the year 1902.

DISEASES.							Conditions not necessarily associated with General or Local Diseases.			Accident and Violence.					SECTIONS.	Wards.
Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.	Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.	Premature Birth.	Old Age.	Debility.	Poisons.	General and Local Injuries.	Drowning.	All other Causes.	Total excluding Still-born.		
3	5	11	1	1	...	1	2	1	4	...	3	...	6	109	Upper Colaba	
29	13	18	4	2	1	1	...	16	47	...	5	3	25	623	Middle and Lower Colaba ...	A.
1	...	5	...	...	...	...	...	2	2	1	...	...	...	45	Fort Southern	
75	35	37	13	8	2	3	10	51	94	6	24	6	80	1553	„ Northern	
20	14	15	6	3	1	...	8	12	15	3	27	7	28	318	Esplanade	
58	33	43	8	5	6	1	4	107	138	1	24	3	110	2634	Mandvi	
44	31	47	11	13	5	1	2	70	102	3	22	...	72	1604	Chukla	B.
115	93	79	28	25	6	1	5	138	199	3	16	3	345	3564	Umerkhadi	
91	59	31	6	7	5	1	...	53	186	...	19	3	106	2009	Dongri	
89	44	62	10	7	7	4	2	44	102	5	31	4	96	2006	Market	
82	47	51	20	8	2	2	3	37	88	4	20	3	92	1687	Dhobi Talao	
40	9	33	9	6	3	1	...	26	46	6	12	3	41	1032	Fanaswadi	C.
110	54	53	9	20	4	1	1	64	121	1	24	2	83	2123	Bhuleshwar	
68	28	45	6	10	5	5	1	49	105	1	27	2	59	1640	Khara Talao	
111	28	34	4	8	3	2	1	57	116	7	14	1	66	2076	Kumbharwada	
60	41	22	14	6	5	1	1	52	101	5	9	4	55	1462	Khetwadi	
57	26	39	9	9	8	...	2	61	82	1	20	5	53	1528	Girgaum	
17	11	16	...	1	2	...	...	17	32	...	3	3	16	342	Chaupati	D.
13	12	14	3	2	...	...	...	8	25	1	3	3	16	317	Walkeshwar	
35	36	22	2	2	...	...	...	54	47	1	1	2	30	819	Mahalakshmi	
57	40	28	13	5	3	1	2	115	140	1	18	8	63	1659	Mazagon	
126	58	44	15	16	13	3	39	55	125	7	49	4	95	1605	Tarwadi...	
39	44	38	8	14	3	2	...	155	87	...	14	2	122	1600	2nd Nagpada	
162	91	52	7	7	9	1	1	136	148	4	18	7	112	2331	Kamathipura	E
99	59	29	3	10	...	...	3	85	105	2	14	3	62	1393	Tardeo	
178	125	53	7	18	4	1	5	204	371	3	33	9	156	4142	Byculla	
8	7	3	...	3	1	...	...	15	11	...	2	1	9	156	1st Nagpada	
122	60	52	6	9	6	3	1	47	211	...	12	15	51	2101	Parel	
21	21	9	1	...	1	2	...	7	30	2	2	4	10	375	Sewri	F.
79	52	31	3	12	1	...	1	35	106	2	6	6	38	1250	Sion	
93	66	32	7	7	1	2	1	26	127	1	9	6	43	1436	Mahim	G.
162	131	52	6	21	1	2	5	49	213	2	15	10	71	2672	Worli	
2	4	1	1	...	...	...	...	2	1	1	21	9	5	94	Harbour and Docks. Railways and Homeless.	
2266	1377	1101	241	265	108	42	100	1850	3327	74	517	141	2116	48414	Total.	
Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.	Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.	Premature Birth.	Old Age.	Debility.	Poisons.	General and Local Injuries.	Drowning.	All other Causes.	Total excluding Still-born.	SECTIONS.	Wards.
DISEASES.							Conditions not necessarily associated with General or Local Diseases.			Accident and Violence.						

XX

DEATHS in different OCCUPATIONS from different CAUSES in

Occupation or Trade of Family.	General Diseases.												
	A										B		
			Fever.										
	Small-pox.	Measles.	Enteric.	Simple Continued.	Malarial, including Ague & Remittent.	Relapsing.	Cholera.	Plague.	Whooping Cough.	All other Diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
CLASS I.—PROFESSIONAL.													
1. General Government.													
(a) *Imperial.*													
1 His Excellency the Governor	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2 Governor's Family	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3 Government Officials in Civil employ (including Police)	...	1	1	...	11	2	...	35	...	1	...	1	6	2
(b) *Local and Municipal Government.*														
4 Persons employed under Municipal and Local Bodies (including Police)	1	...	3	1	64	21	...	248	...	10	...	1	50	4
(c) *Foreign Governments and Native States.*														
5 Consuls	...	...	...	...	...	...	...	...	...	...	...	...	1	...
6 Native Chiefs, their Staff and Retinue	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2. Defence.														
(a) *Army.*														
7 Officers, effective (including Non-Combatants)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8 Soldiers	...	...	8	...	5	...	...	2	...	...	...	...	1	8
9 Army Pensioners, &c.	...	...	...	...	...	...	...	2	...	...	...	...	3	...
(b) *Navy.*														
10 Naval Officers	...	...	1	...	...	...	...	...	...	...	...	...	...	1
11 Seamen (Government)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12 Naval Pensioners, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Learned Professions, &c.														
(a) *Ecclesiastical.*														
13 Ministers of Religion, Priests and persons officiating in Churches, Temples, and Mosques, &c.	...	...	...	1	9	...	...	23	...	...	...	...	5	4
14 Missionaries	...	...	...	...	...	...	...	1	...	...	...	...	...	...
15 Devotees, Bhikshuks, Fakirs, &c.	...	...	...	...	13	1	...	49	...	...	...	1	14	2
16 Servants and Officers of Religious Institutions	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) *Law.*														
17 Barristers and Advocates	...	...	...	...	...	...	...	...	...	...	...	...	...	1
18 Solicitors and Attorneys	...	...	...	...	...	...	...	...	...	...	...	...	...	1
19 Pleaders and Vakils	...	...	...	...	...	...	...	2	...	1	...	...	...	...
20 Law Agents, Interpreters, Mukhtiars, Petition Writers, &c.	...	...	...	...	...	...	...	1	...	...	...	...	...	...
(c) *Medical.*														
21 Physicians and Surgeons (*Licensed*)	...	...	...	...	...	1	...	1	...	...	...	...	...	1
22 Medical Assistants, &c.	2	...	...	...	2	...	...	7	...	...	...	...	...	1
23 Vaids, Hakims and Unlicensed Practitioners.	...	...	...	1	...	...	...	6	...	...	...	...	5	1
24 Dentists	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25 Chemists and Druggists	...	...	...	...	1	...	...	2	...	...	...	...	1	...
26 Midwives and Nurses	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(d) *Literature, &c.*														
27 Editors, Authors	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28 Reporters	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29 Officers of Literary Institutions	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(e) *Artists, &c.*														
30 Painters (*Artists*)	...	...	...	...	...	...	...	1	...	...	...	...	...	...
31 Sculptors	...	...	...	...	...	...	...	3	...	...	...	...	...	...
32 Photographers	...	...	...	...	...	...	...	1	...	...	...	...	...	...
33 Drawing Masters	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(f) *Musicians.*														
34 Music Masters and Players	...	...	...	...	...	...	...	1	...	...	...	...	1	...

VI.

the City of BOMBAY for the year beginning 1st January 1902.

Local Diseases.													Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.		Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.															
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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3	...	6	...	11	5	5	3	1	1	...	...	...	...	...	...	...	...	...	1	...	...	96
6	...	2	...	63	19	31	14	3	3	...	...	...	...	...	8	...	2	3	3	2	...	562
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2	...	4	...	14	...	2	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	51
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Occupation or Trade of Family.	General Diseases.													
	A										B			
	Small-pox.	Measles.	Fever. Enteric.	Fever. Simple Continued.	Fever. Malarial, including Ague & Remittent.	Fever. Relapsing.	Cholera.	Plague.	Whooping Cough.	All other Diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
CLASS I.—PROFESSIONAL—*contd.*														
3. Learned Professions, &c.—*contd.*														
(g) *Actors, &c.*														
35 Actors, Actresses	...	...	...	...	...	...	...	...	...	...	...	...	...	...
36 Theatre Service	...	...	...	...	1	...	...	...	...	...	...	...	...	1
37 Dancers, Nautch,	...	...	...	...	1	...	...	5	...	...	...	...	1	...
38 Jugglers, Snake Charmers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39 Billiard Room Keepers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
40 Cricket Club, Gymkhana Service	...	...	...	...	...	...	...	2	...	...	...	...	...	...
(h) *Teachers, &c.*														
41 School Masters, Mistresses	...	...	1	...	1	...	...	4	...	...	...	...	2	2
42 Professors, Teachers, &c.	...	...	...	...	4	...	...	6	...	...	...	...	3	1
43 Service of Educational Institutions	...	..	...	...	...	...	...	...	...	...	...	...	...	...
(i) *Science.*														
44 Civil Engineers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
45 Museum, &c., Service	...	...	...	...	...	...	...	...	...	...	...	...	1	...
CLASS II.—DOMESTIC.														
4. Omitted.														
5. Entertainers, &c.														
(a) *Board and Lodging.*														
46 Hotel and Inn Keepers	...	...	...	...	2	...	...	1	...	...	...	...	1	...
47 Lodging-house Keepers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
48 Refreshment Houses	...	...	...	...	...	...	...	...	...	...	...	...	...	...
49 Institution Service, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 Service of Clubs	...	...	...	...	1	...	...	...	...	...	...	...	...	...
51 Mess Contractors, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) *Domestic.*														
52 In-door Servants	14	...	2	2	55	7	4	301	...	5	...	...	51	23
53 Service in Stables, &c.	...	...	...	...	...	...	...	1	...	...	...	...	...	...
54 Dhobis (Washermen)	...	...	...	...	16	2	...	102	...	...	1	...	16	...
55 Bhistis (Water-carriers)	...	...	...	...	3	...	...	5	...	...	...	...	1	...
56 Sweepers (of houses, &c.)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
57 Hotel Service	...	...	...	...	...	...	...	2	...	...	...	...	...	...
58 Keepers of Cook-houses	...	...	...	...	...	...	...	3	...	...	...	...	1	...
59 Servants not otherwise described	2	...	2	3	165	7	7	708	...	2	...	3	124	29
CLASS III.—COMMERCIAL.														
6. Mercantile.														
(a) *Merchants, &c.*														
60 General Merchants	...	...	2	1	40	1	...	153	...	2	...	1	45	13
61 Merchants in Cotton	...	...	...	...	...	...	...	...	...	...	...	...	...	...
62 Merchants in other Special Goods	...	..	...	...	2	...	...	1	...	...	...	...	1	...
63 Bankers	..	...	...	...	1	...	...	5	...	...	...	...	...	...
64 Money-lenders	...	...	..	...	5	...	...	53	...	...	...	...	4	...
65 Service in Banks	...	...	...	..	...	...	...	...	...	...	...	...	...	...
66 Insurance Office Service	...	...	...	...	...	...	...	1	...	...	...	...	...	...
67 Commercial Agents, Brokers, &c.	...	...	2	..	22	...	...	39	...	1	...	...	15	5
68 Salesmen, Bill Collectors, &c.	...	...	...	...	1	...	...	6	...	...	...	...	...	...
69 Auctioneers, House Agents	...	...	...	...	...	...	...	...	...	...	...	...	...	1
70 Accountants, Auditors	...	...	...	...	...	...	...	...	...	...	...	...	1	1
71 Commercial Clerks, &c.	1	...	5	1	50	2	2	133	...	3	...	4	20	12
72 Notaries Public	...	...	...	...	...	...	...	...	...	...	...	...	...	...
73 Capitalists, Shareholders	...	...	1	...	...	...	...	...	...	...	...	...	...	...
74 Emigration Agents	...	.	...	...	...	...	...	...	...	...	...	...	...	...
75 Pawnbrokers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) *Other General Dealers.*														
76 General Dealers and Shopkeepers (*unspecified*)	...	...	...	...	1	...	...	3	...	...	...	...	...	...
77 Itinerant Retailers	1	...	...	1	42	4	2	179	...	1	...	1	57	7
78 Pedlars (*Boxwallahs—Borahs*)	...	...	...	...	...	...	...	2	...	...	...	...	2	...

—*continued.*

Local Diseases.												Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.	Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.														
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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17	...	5	...	67	11	13	31	5	1	...	2	...	...	1	8	...	4	2	4	...	635
...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
3	...	1	...	14	2	3	...	...	...	...	...	...	...	2	...	...	1	...	1	...	164
1	...	...	...	1	...	2	...	...	...	...	...	...	...	1	...	...	1	...	1	...	16
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28	...	13	...	101	35	23	26	4	...	2	...	...	...	1	6	2	2	2	1	...	1,298
7	...	15	...	39	13	8	14	2	...	2	...	...	...	2	2	...	...	1	2	...	365
...	...	2	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	4
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7	...	9	...	21	9	3	9	4	...	1	1	...	...	2	1	...	1	...	...	...	152
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10	...	8	...	29	6	7	16	4	...	3	...	...	...	1	1	6	4	2	2	...	332
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10	...	3	...	37	6	11	17	6	1	1	...	...	...	2	1	1	1	3	...	1	396
...	...	...	...	4	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	11

	Occupation or Trade of Family.	General Diseases.														
		A										B				
		Small-pox.	Measles.	Fever.			Cholera.	Plague.	Whooping Cough.	All other Diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
				Enteric.	Simple Continued.	Malarial, including Ague & Remittent.	Relapsing.									
	CLASS III.—COMMERCIAL—*contd.*															
	7. Carriers.															
	(a) *On Railways.*															
79	Drivers, Stokers (*A'gwallahs*)	...	...	2	...	6	...	...	25	...	2	...	...	15		10
80	Station Masters, Clerks, Ticket Collectors	...	...	...	...	3	1	...	2	...	...	...	...	1		...
81	Guards, Signalmen, Porters, Police	...	...	...	...	2	1	...	8	...	...	...	...	...		1
82	Agents, Managers, Office Service	...	...	...	...	1	...	...	2	...	...	...	...	1		...
	(b) *On Roads.*															
83	Carriage and Horse Letters, Livery Stable Keepers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...		...
84	Drivers of Public Vehicles (*Buggywallahs, Shigramwallahs, &c.*)	...	...	...	...	15	2	...	89	...	...	...	...	14		5
	(c) *Omitted.*															
85	Cart Owners and Drivers (*Gádawallahs*)	1	...	...	1	41	7	...	158	...	1	...	...	24		5
86	Carriers on Pack Animals (*Wanjáras, &c.*)	...	...	...	...	...	...	...	...	...	...	...	...	...		...
	(d) *On Seas, &c.*															
87	Ship or Boat Owners	...	...	...	...	...	...	...	...	...	...	...	...	...		2
88	Steam Navigation Service	...	...	2	...	1	...	...	3	...	...	...	...	24		5
89	Seamen (not Government)	1	...	1	...	14	1	1	41	...	...	...	...	...		...
90	Pilots	...	...	...	...	...	...	...	...	...	...	...	...	1		1
91	Boatmen	...	...	...	...	3	...	...	1	...	...	...	...	...		...
92	Dock and Harbour Officials	...	...	...	...	...	...	...	1	...	...	...	...	2		2
93	Dock Labourers	...	...	...	...	1	1	...	4	...	1	...	...	...		...
94	Shipping Surveyors and Agents	...	...	...	...	...	...	...	...	...	...	...	...	...		...
95	Dubashes	...	...	...	...	...	...	...	...	...	...	...	...	...		...
	(e) *Storage, &c.*															
96	Warehousemen and Storekeepers	...	...	...	...	...	...	...	...	...	...	...	...	...		...
97	Keepers of Cotton, &c., Presses	...	...	...	...	...	...	...	...	...	...	...	...	...		...
98	Packers, Weighmen, &c.	...	...	...	...	...	...	...	...	...	...	...	...	1		...
	(f) *Telegraph (Ry.) and Messages.*															
99	Railway and other Telegraph Service (not Government).	...	...	...	...	...	...	...	2	...	...	...	...	...		...
100	Messengers, Porters, &c. (not Government)	1	...	...	...	17	2	...	52	...	1	...	...	13		10
	CLASS IV.—AGRICULTURE, PASTURE AND DEALINGS WITH ANIMALS, &c.															
	8. Agriculture and Pasture, &c.															
	(a) *Cultivation and Grazing.*															
101	Occupants and Tenants of Lands and Cultivators	...	...	...	...	5	2	2	39	...	...	...	...	12		...
102	Occupants and Tenants of Lands but not Cultivators	...	...	...	...	...	...	...	...	...	...	...	...	...		1
103	Farm Day Servants	...	...	...	...	...	...	...	...	...	...	...	...	...		...
104	Field Labourers	...	...	...	...	...	...	...	...	...	...	...	...	...		...
105	Cattle and Sheep Watchers	...	...	...	...	...	...	...	...	...	...	...	...	...		1
	(b) *Gardening, &c.*															
106	Gardeners (*Màli* and *Kàchià*)	...	...	1	...	14	1	...	35	...	1	...	1	2		...
107	Growers and Sellers of Flowers and Garlands	...	...	...	...	...	...	...	2	...	...	...	...	...		...
	9. Animals.															
108	Horse Dealers, &c.	...	...	...	...	...	...	...	1	...	...	...	...	1		...
109	Jockey Grooms (not domestic service)	...	...	...	...	10	4	2	75	...	1	...	...	7		8
110	Veterinary Surgeons, Farriers	...	...	...	...	...	...	...	4	...	...	...	...	1		...
111	Horse-shoers (*Nàlband*)	...	...	...	...	...	...	...	1	...	...	...	...	...		...
112	Cattle and Sheep Breeders (*Dhangar*, &c., *Wanjàri*)	...	...	...	...	...	...	...	...	...	...	...	...	...		...
	Fishers.															
113	Fishermen, &c.	1	...	...	1	3	...	...	32	...	...	...	...	13		2
114	Shikaries and Bird Catchers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...		...
115	Leech Dealers	...	...	...	...	...	...	...	1	...	...	...	...	...		...

—*continued.*

Local Diseases.												Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.	Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.														
4	...	2	...	11	...	1	6	1	...	1	...	...	...	...	...	..	1	1	1	...	89
...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
1	...	...	...	5	2	2	1	...	...	...	...	...	...	...	1	...	...	...	...	...	24
...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	17	2	4	3	1	...	2	...	...	...	...	...	...	1	1	1	...	159
2	...	3	...	34	6	5	4	2	...	...	...	...	...	2	...	...	...	6	2	...	304
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	2	2	1	3	1	...	...	...	...	...	...	...	...	...	2	1	...	3
3	...	...	...	23	1	4	8	1	...	1	...	..	...	2	...	1	2	2	2	1	49
4	...	6	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	117
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1	...	1	...	13	2	4	3	...	...	...	...	...	...	...	1	...	1	1	1	...	124
3	...	1	...	7	3	2	4	2	...	...	...	...	...	1	...	...	1	...	2	...	86
...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
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...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
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2	...	2	...	13	5	1	4	1	...	...	...	...	...	...	...	2	...	1	..	...	138
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Occupation or Trade of Family.	General Diseases.													
	A										B			
	Small-pox.	Measles.	Fever. Enteric.	Fever. Simple Continued.	Fever. Malarial, including Ague & Remittent.	Fever. Relapsing.	Cholera.	Plague.	Whooping Cough.	All other Diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
CLASS V.—INDUSTRIAL.														
10. Art and Mechanical Productions.														
(a) *Books.*														
116 Booksellers, Publishers	...	...	...	...	2	...	...	1	...	...	...	...	...	...
117 Bookbinders	...	...	...	...	...	...	...	4	...	...	...	...	2	...
118 Printers by Steam, Compositors, &c.	1	...	...	...	13	1	...	57	...	...	...	...	18	5
119 Newspaper Proprietors, &c.	...	...	...	...	1	...	...	...	...	...	...	...	...	...
120 Do. Agents	...	...	...	...	...	...	...	...	...	...	...	...	...	...
121 Library or Book Depôt Keepers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) *Musical Instruments.*														
122 Makers, Tuners, &c., of Musical Instruments	...	...	...	...	2	...	...	4	...	...	...	...	2	2
123 Music Sellers, &c.	...	...	...	...	...	...	...	2	...	...	...	...	1	...
(c) *Prints, Pictures.*														
124 Lithographers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
125 Print Sellers, Publishers	...	...	...	...	...	...	...	2	...	...	...	...	...	...
(d) *Carvings, &c.*														
126 Wood Carvers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
127 Artificial Flower Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
128 Figure Casters (*Otárva*)	...	...	1	...	1	...	...	5	...	...	...	...	1	2
(e) *Toys, &c.*														
129 Toy and Kite Makers or Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
130 Billiard Table Makers	...	...	...	...	...	...	...	1	...	...	...	...	...	...
(f) *Engravings, &c.*														
131 Type Founders	...	...	...	...	...	...	...	1	...	...	...	...	...	...
132 Seal Engravers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
133 Engravers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	1	...
(g) *Watches, &c.*														
134 Watch and Clock Makers	...	...	...	...	...	...	...	1	...	...	...	...	...	1
(h) *Omitted.*														
135 Opticians, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(i) *Arms, &c.*														
136 Gunsmiths	...	...	...	...	...	...	...	...	...	...	...	...	...	...
137 Sword Makers and Polishers (*Shikelgars*)	...	...	...	...	1	...	...	2	...	...	...	...	...	...
138 Gunpowder Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(k) *Machines and Tools.*														
139 Engine Makers (Fitters, &c.)	...	...	2	1	13	4	...	60	...	1	...	...	20	17
140 Spinning, Weaving, &c., Machine Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
141 Tool Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
142 Cutlers and Grinders	...	...	...	...	1	...	...	2	...	...	...	...	2	...
(l) *Carriages, &c.*														
143 Carriage, Cart and Palki Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
144 Railway Carriage Makers, Fitters, &c.	...	...	...	...	2	...	...	5	...	...	...	...	1	...
(m) *Harness.*														
145 Saddle and Harness Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
146 Saddle Cloth, &c., Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
147 Whip and Stick Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(n) *Boats and Ships.*														
148 Boat and Ship Builders	...	...	...	...	...	...	...	...	...	...	...	...	...	...
149 Sailmakers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
150 Ship-Chandlers	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(o) *Houses and Buildings.*														
151 House-owners, &c.	...	...	...	...	3	...	...	...	...	...	...	...	...	...
152 Architects	1	...	...	...	...	1	...	...	...	...	...	...	...	1
153 Surveyors and Draftsmen	1	...	...	...	3	...	...	1	...	...	...	...	...	...
154 Builders and Contractors	...	...	...	...	...	...	...	...	...	...	...	...	...	...

—*continued.*

Local Diseases.												Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.	Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.														
1				1											1						5
2		1		7	1	1	4			1					1	1	1		1		115
															1						2
1				1		2	1			1											16
											1								1		5
																					2
				1	1			1													13
																					1
				1																	2
																					1
		2															1				5
				1																	4
5		4		16	2	4	8	1										1	1		160
		1		2																	1
																					7
				1	1		1														3
				3		2	2	1													16
						1															1

	Occupation or Trade of Family.	General Diseases.														
		A										B				
		Small-pox.	Measles.	Fever.				Cholera.	Plague.	Whooping Cough.	All other diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
				Enteric.	Simple Continued.	Malarial, including Ague & Remittent.	Relapsing.									
	CLASS V.—INDUSTRIAL—*contd.*															
	10. Art and Mechanical Productions—*contd.*															
	(o) *Houses and Buildings*—(contd.)															
155	Carpenters, Joiners, Sawyers	3	...	...	1	43	8	...	219	...	2	...	...	49		6
156	Masons and Bricklayers	...	...	...	...	10	2	...	55	...	1	...	...	14		2
157	Tile Turners	...	...	1	...	1	...	...	6	...	...	...	...	...		2
158	Plumbers	...	...	...	...	...	1	...	4	...	...	...	...	...	...	
159	House and Wall Painters	...	...	...	...	3	...	1	20	...	...	...	...	5		1
160	Marble Cutters and Dealers	...	...	...	...	1	...	...	...	...	...	...	...	...	...	
	(p) *Furniture, &c.*															
161	Furniture Makers and Dealers and Upholsterers	...	...	...	...	...	...	...	5	...	...	...	..	1	...	
162	Carvers and Gilders	...	...	...	...	1	...	...	...	...	...	...	...	...	...	
163	Undertakers and Carriers of Dead Bodies	...	...	...	...	1	...	...	1	...	...	...	...	...		1
164	Curiosity Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	(q) *Chemicals and Combustibles.*															
165	Fireworks Makers, &c	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
166	Matches Makers, &c	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
167	Saltpetre Makers, &c	...	...	...	...	1	...	...	...	..	...	...	...	..	...	
168	Ink, &c., Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	11. Textile Fabrics.															
	(a) *Wool.*															
169	Blankets and Woollen Makers and Cleaners by Steam	...	...	...	...	..	...	...	...	...	...	...	...	...	...	
170	Blankets and Woollen Makers and Wool Cleaners by Hand	...	..	...	...	...	...	...	...	...	...	...	...	...	...	
171	Felt (*Namda*) Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
172	Fullers	...	...	...	...	..	..	..	...	...	...	...	...	...	...	
173	Carpet and Rug Makers and Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	(b) *Silk.*															
174	Silk Workers by Hand	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
175	Ditto by Steam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
176	Silk Dyers	...	...	...	...	...	...	..	1	...	...	...	...	...	...	
177	Silk Makers	...	...	...	...	...	...	...	1	...	...	...	...	...	...	
	(c) *Cotton and Flax.*															
178	Cotton Dyers	...	...	...	...	8	...	...	29	...	...	...	...	10		2
179	Lace Makers, &c	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
180	Tape Makers, &c. (*Raval*)	...	...	...	...	...	...	...	...	...	...	...	...	...		1
181	Cotton Spinners, Cleaners and Weavers by Steam	...	...	...	...	29	1	1	99	...	...	...	1	22		4
182	Cotton Spinners, Cleaners and Weavers by Hand	...	...	...	...	1	...	...	5	...	...	...	...	3		2
183	Mill Managers, Clerks, &c	...	...	...	...	...	...	...	3	...	...	...	...	1		1
184	Calico Printers	...	...	...	...	...	...	...	1	...	...	...	...	...	...	
185	Calenderers	...	...	...	...	...	...	...	1	...	...	...	...	...	...	
	(d) *Miscellaneous Workers.*															
186	Spinners and Weavers and Factory Workers (unspecified)	...	...	...	...	...	...	...	6	...	...	...	...	...	...	
187	Embroiderers and Brocade, &c., Makers	...	...	...	...	...	...	...	12	...	...	...	...	3		1
188	Cotton Goods Sellers, Drapers	...	...	...	...	2	...	...	4	...	...	...	...	...	...	
	(e) *Dress.*															
189	Barbers, Hair Dressers, &c	...	...	1	...	20	3	1	84	...	...	...	...	6		5
190	Turban, Cap and Hat Makers	...	...	...	...	...	...	...	3	...	...	...	...	..	...	
191	Turban Folders	...	...	...	...	...	...	...	2	...	...	...	...	...		1
192	Caste-Mark Makers	...	...	...	...	...	...	...	2	...	...	...	1	...	...	
193	Tailors	1	...	1	...	28	2	...	138	...	1	...	1	29		11
194	Milliners and Dress Makers	1	...	...	...	...	...	...	...	...	...	...	...	1	...	
195	Glove and Stocking Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
196	Shoe and Boot Makers	...	...	...	...	26	9	1	93	...	2	...	...	16		3
197	Button Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
198	Umbrella Makers and Sellers	...	...	...	...	...	...	...	1	...	...	...	...	...	...	
199	Shawl Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
200	Punkha and Fan Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

—*continued.*

Local Diseases.													Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.		Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.															
5	...	1	...	48	14	9	6	4	...	...	3		...	...	4	2	1	2	...	...	...	430
2	...	2	...	11	1	4	...	...	...	...	...		...	...	2	...	...	...	...	...	...	106
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3	...	1	...	19	6	9	2	1	...	...	...		...	...	3	2	...	...	...	...	...	203
1	...	...	...	3	1	2	1	...	...	1	...		...	...	1	...	...	...	...	...	...	21
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1	...	...	...	...	...	...	...	...	...	...	...		...	...	1	...	...	...	...	...	...	18
2	...	5	...	1	..	...	1	...	...	...	...		...	...	...	...	...	...	...	...	...	15
...	...	3	1	18	4	5	2	...	...	1	...		..	...	2	2	...	1	...	1	...	160
...	...	...	...	2	...	1	3	1	...	1	...		...	...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	6
...	...	...	...	...	2	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	5
8	...	2	...	33	7	...	3	2	...	...	1		...	...	1	2	1	...	1	...	...	273
...	...	...	...	...	...	...	1	...	...	...	...		...	...	...	...	...	...	...	...	...	3
...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...
...	...	...	...	27	8	7	4	2	...	...	...		...	...	4	1	..	1	...	...	..	204
...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...
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	Occupation or Trade of Family.	General Diseases.														
		A										B				
		Small-pox.	Measles.	Fever.				Cholera.	Plague.	Whooping Cough.	All other Diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.	
				Enteric.	Simple Continued.	Malarial, including Ague & Remittent.	Relapsing.									
	CLASS V.—INDUSTRIAL—*contd.*															
	11. Textile Fabrics—*contd.*															
	(f) *Jute, Tents, Ropes, &c.*															
201	Workers and Sellers of Jute	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
202	Rope and Cord Makers and Sellers	...	...	...	...	...	...	...	2	...	...	...	...	...	...	
203	Tent Makers and Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
204	Coir Makers and Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	12. Foods, Drinks and Stimulants.															
	(a) *Animal Food.*															
205	Cow Keepers, Milk Sellers	...	1	...	...	11	2	...	55	...	2	...	...	19		4
206	Sellers of Ghee, Butter, Cheese	...	...	...	...	1	...	...	4	...	...	...	...	...	...	
207	Butchers, Slaughtermen and Meat Sellers	...	...	...	...	3	1	...	17	...	1	...	2	9		2
208	Fowl Sellers (Poulterers)	...	...	...	...	...	...	...	1	...	1	...	...	1	...	
209	Fish Salesmen	...	...	...	1	6	...	...	32	...	...	...	...	9		1
210	Provision Dealers, Bazaar Suppliers	...	...	...	...	3	...	...	...	...	...	...	...	...	...	
	(b) *Vegetable Food.*															
211	Grain, Pulse and Flour Dealers	...	...	2	...	13	3	...	51	...	...	...	...	3		1
212	Millers(*Golá*),(Grinders and Huskers of Grain)	...	...	...	...	...	...	...	2	...	...	...	...	...	...	
213	Grain Parchers (*Bhadbhunjas*)	...	...	...	...	...	...	...	...	...	...	...	1	...		1
214	Bakers	2	...	1	...	2	...	...	4	...	...	...	...	1	...	
215	Sweetmeat Makers & Sellers and Pastry Cooks	...	...	...	...	2	1	...	9	...	...	...	...	...		1
216	Fruit and Vegetable Dealers	...	...	...	...	3	...	...	19	...	...	...	...	3		1
	(c) *Drinks and Stimulants, &c.*															
217	Brewers	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
218	Wine and Spirit Dealers	...	...	...	...	...	...	...	3	...	1	...	...	1	...	1
219	Distillers and Toddy Drawers	...	...	...	...	2	...	...	12	...	...	...	...	2	...	
220	Soda Water, &c., Makers and Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
221	Sugar and (*Gol*) Makers and Dealers	...	...	...	...	1	...	...	...	...	...	...	...	1		1
222	Grocers, Spice Dealers	...	...	...	...	...	...	...	7	...	...	...	...	1		1
223	Tea Dealers and Tasters	...	...	...	...	2	...	...	6	...	...	...	...	1		1
224	Tobacco and Snuff Manufacturers and Sellers	...	...	...	...	5	...	...	17	...	...	...	1	15		2
225	Opium, Chundool Sellers, &c.	...	...	...	...	1	...	...	...	...	...	...	...	...	...	
226	Bhang, Ganja Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
227	Pan and Betel Sellers	...	...	...	...	1	...	...	3	...	...	...	...	...	...	
228	Perfume Makers and Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
229	Makers and Sellers of Sherbut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
230	Ditto Vinegar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
231	Soap Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	13. Animal Substances.															
232	Comb Makers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
233	Bone and Horn Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
234	Ivory Carvers and Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Leather.															
235	Hide and Skin Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
236	Tanners and Curriers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
237	Leather Workers and Sellers (not Shoemakers)	...	...	...	...	4	...	...	4	...	...	...	...	1	...	
	14. Vegetable Substances.															
	(a) *Gums, Oils, &c.*															
238	Oil Pressers, Oil Cake Makers and Sellers	...	...	...	...	4	...	...	9	...	...	...	...	1		1
239	Lac Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

—*continued.*

Local Diseases.												Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.	Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.														
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	1	...	18	4	2	3	...	...	1	...	...	...	1	...	...	1	...	...	...	126
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
1	...	...	...	4	1	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	44
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
1	...	...	...	5	1	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	59
1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
2	...	...	...	6	...	1	2	...	1	...	...	...	...	...	2	...	...	1	...	...	88
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
2	...	1	...	4	1	1	...	1	...	...	...	...	...	...	...	...	...	...	1	...	21
...	...	...	...	1	1	...	...	...	...	1	...	...	...	2	...	1	1	1	...	...	16
1	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	35
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
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...	...	...	...	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	11
...	...	...	...	9	3	1	1	1	1	...	...	...	...	...	...	...	...	...	...	...	14
...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	57
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
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...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

	Occupation or Trade of Family.	General Diseases.															
		A											B				
		Small-pox.	Measles.	Fever.				Cholera.	Plague.	Whooping Cough.	All other Diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.		
				Enteric.	Simple Continued.	Malarial, including Ague & Remittent.	Relapsing.										
	CLASS V.—INDUSTRIAL—*contd.*																
	14. Vegetable Substances—*contd.*																
	(b) *Wood, &c.*																
240	Wood and Timber Dealers	...	...	...	...	...	...	...	4	...	1	...	...	...		1	
241	Wood Turners (*Kanátáras*)	...	...	...	...	...	...	...	1	...	...	...	...	...	...		
242	Lacquer Workers	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
243	Bamboo Dealers	...	...	...	...	...	...	...	1	...	...	...	...	...	...		
244	Firewood Sellers	...	...	...	...	1	...	...	5	...	...	...	...	...	...		
245	Coopers	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
246	Broom Makers	...	...	...	...	1	...	...	4	...	...	...	...	3	...		
247	Basket and Cane Workers and Sellers	...	...	...	...	2	...	...	12	...	1	...	...	3		2	
248	Grass and Forage Dealers	...	...	...	...	1	...	...	2	...	...	...	...	...	...		
249	Hay Pressers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
250	Sellers of Grass for Thatch	...	...	...	...	...	...	...	1	...	...	...	...	...	...		
251	Thatchers (*Chapperband*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
252	Rag Dealers	...	...	...	...	...	...	...	1	...	...	...	...	...	...		
	(c) *Paper.*																
253	Paper Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
254	Stationers and Dealers in Paper	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
	15. Mineral Substances.																
	(a) *Omitted.*																
	(b) *Coal.*																
255	Coal Merchants, Shippers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...		1	
256	Gas Works Service	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
257	Charcoal Sellers, &c.	...	...	...	...	...	...	...	1	...	...	...	...	1	...		
258	Cowdung Cake Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
	(c) *Stone-clay.*																
259	Stone Quarrymen (*Beldárs, Valdárs, &c.*)	...	...	...	...	...	...	...	1	...	...	...	...	1	...		
260	Stone Cutters (*Patharvats, Saláts*)	...	...	...	...	5	2	...	12	...	...	...	...	3		2	
261	Lime Makers and Sellers (*Londáris, Chundras, &c.*)	...	...	...	...	...	...	...	...	...	...	...	...	2	...		
262	Brick, &c., Makers	...	...	...	...	...	...	...	1	...	...	...	...	...	...		
263	Railway Earth Workers	...	...	...	...	...	...	...	1	...	...	...	...	...	...		
264	Grindstone Makers and Sellers (*Chaksalis*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
	(d) *Earthenware.*																
265	Potters	...	...	...	...	2	...	...	7	...	...	...	...	2		1	
266	Hooka Makers and Sellers	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
	(e) *Glass.*																
267	China Glass Dealers	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
268	Glass Makers and Sellers	...	...	...	...	1	...	...	...	...	...	...	...	2	...		
269	Bangle Makers and Sellers	...	...	...	...	...	1	...	2	...	...	...	...	1	...		
270	Bead Makers and Sellers (*Maniaris*)	...	...	...	...	...	...	...	2	...	...	...	...	...	...		
	(f) *Salt.*																
271	Salt Makers (*Mitágrias, &c.*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
272	Salt Brokers and Dealers	...	...	...	..	...	...	...	...	...	...	...	...	...	...		
	(g) *Water.*																
273	Water Works Service	..	...	...	...	...	...	...	...	...	...	...	...	...	...		
274	Well Sinkers	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
275	Ice Dealers and Makers	...	...	...	...	...	...	...	...	...	...	...	...	...	...		

—*continued.*

Local Diseases.												Conditions not necessarily associated with General or Local Diseases.				Accident and Violence.					
Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.	Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.														
		1		2																	9
																					1
				2		1															1
																					9
1				1	1																
				5		1												1			11
					1																27
																					4
																					1
							1														2
				1						1						1					1
																					2
				1																	1
																					2
				8	2	2	1							1				1			41
																					2
						1															1
																					2
				3			1	1		1											18
		1		1																	2
		1			1									1							6
																					4
																					2

Occupation or Trade of Family.	General Diseases.													
	A										B			
	Small-pox.	Measles.	Fever. Enteric.	Fever. Simple Continued.	Fever. Malarial, including Ague & Remittent.	Fever. Relapsing.	Cholera.	Plague.	Whooping Cough.	All other Diseases classed under Section A of General Diseases.	Leprosy.	Dropsy.	Phthisis.	All other Diseases classed under Section B of General Diseases.
CLASS V.—INDUSTRIAL—*contd.*														
15. Mineral Substances—*contd.*														
(h) *Gold, Silver and Jewellery.*														
275 Gold and Silversmiths	...	...	...	...	21	3	1	53	...	1	...	...	18	2
277 Precious Stone Dealers, &c.	...	...	...	...	2	...	...	2	...	...	..	...	...	...
278 Lapidaries (Stone Cutters)	...	...	...	...	...	...	...	19	...	...	...	...	...	...
279 Electroplaters	...	...	...	...	...	...	...	5	...	...	...	...	1	...
280 Plate Dealers, &c	...	...	...	...	...	...	...	...	...	...	...	..	...	...
281 Assayers (*Choksis*), Dealers in Gold & Sellers	...	...	...	...	...	...	...	3	...	...	...	...	1	...
282 Gold and Silver Lace Makers	...	...	...	...	...	...	...	...	...	...	...	...	1	...
283 Wire Drawers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
284 Gold Washers (*Zarekaris* or *Dhuldhoyas*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(i) *Copper.*														
285 Coppersmiths	...	...	...	...	1	2	...	30	...	...	...	...	5	2
(k) *Tin.*														
286 Tinmen and Tinware Dealers	...	...	...	...	4	...	...	12	...	...	...	...	6	2
(l) *Brass.*														
287 Brassmiths and Dealers in Brass	...	...	...	...	...	...	...	...	...	...	...	...	...	...
288 Locksmiths (*Kunchgars*)	..	...	...	...	...	...	...	1	...	...	...	...	...	...
289 Gas Fitters	...	...	...	...	...	...	...	...	...	...	...	...	...	...
290 Lamp and Lantern Makers	...	...	...	...	13	...	...	1	...	...	...	...	...	...
(m) *Iron and Steel.*														
291 Blacksmiths	1	...	...	1	1	1	...	45	...	1	...	...	8	1
292 Hardware and Iron Mongers	...	..	...	...	...	...	...	2	..	...	...	...	...	..
293 Nail Makers, &c.	...	...	...	...	...	...	...	...	...	...	...	...	..	...
CLASS VI.—OTHERS AND UNSPECIFIED.														
16. Indefinite.														
(a) *General Labourers.*														
(b) *Indefinite.*														
294 General Labourers and Coolies	10	2	8	15	450	169	12	2453	1	55	2	6	381	94
295 Mechanics, Artizans (unspecified)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
296 Enginemen, &c. (unspecified)	...	...	...	...	...	...	...	1	...	...	1	...	...	...
297 Factory Labourers (unspecified)	3	3	...	2	371	34	8	1233	...	22	...	3	273	45
298 Shopmen, &c. (unspecified)	1	...	...	...	54	2	3	210	...	3	...	2	44	11
299 Contractors, &c. (unspecified)	...	...	...	...	...	1	...	6	...	...	...	...	3	1
300 Millowners, &c. (unspecified)	...	...	...	...	...	1	...	...	...	...	...	...	2	...
17. Persons of Independent Means.														
301 Living on Property (funded rents, &c.)	...	...	1	...	7	...	...	22	...	2	1	1	10	3
302 Pensioners (unspecified)	..	...	...	1	7	1	...	15	...	1	...	1	4	4
303 Mendicants	2	1	1	4	98	38	...	283	...	9	7	8	108	48
18. Others.														
304 Prisoners	...	5	...	...	1	4	...	8	...	...	...	...	...	1
305 Prostitutes and Pimps	...	...	..	...	3	...	...	12	...	...	...	1	7	8
306 Others	...	...	...	...	7	4	...	25	...	...	...	...	7	7
307 Males following no occupation	10	1	8	8	297	47	2	674	1	13	58	13	210	108
308 Females do. do.	27	4	15	11	752	87	12	1972	5	447	34	34	1499	356
309 Children, Males	93	300	8	22	656	75	7	1503	39	22	4	8	197	213
310 Do. Females	106	324	5	19	637	70	6	1294	37	35	3	6	312	253
Grand Total	288	642	89	99	4330	651	75	13820	83	658	111	103	3957	1429

—*concluded.*

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Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Absorbent System and Ductless Glands.	Respiratory System.	Digestive System.			Urinary System.	Generative System.	Organs of Locomotion & Cellular Tissue.	Cutaneous System.	Still-born.	Premature Birth.	Old Age.	Debility.	Poison.	General Injuries.	Local Injuries.	Drowning.	Unspecified Causes.	Total.
					Diarrhœa.	Dysentery.	All other Diseases registered under Digestive System.														
2	1	1	...	20	2	5	4	...	...	1	...	...	...	1	...	1	1	..	...	...	138
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19
...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
...	...	...	...	...	...	..	...	...	...	...	...	..	...	...	...	..	...	..	...	...	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	...	...	...	6	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	1	51
2	...	...	...	5	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	34
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14
	...	...	...	12	3	1	...	...	...	...	...	...	...	1	1	...	...	...	...	...	79
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
79	...	27	...	436	150	111	41	21	18	23	8	...	...	42	21	14	21	27	26	3	4726
...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
25	...	7	...	175	39	58	19	4	9	5	2	...	...	12	6	3	9	7	7	...	2384
13	...	12	...	54	6	5	13	4	1	4	...	...	...	3	3	...	1	...	...	...	449
1	...	2	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	17
...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	...	..	...	...	...	6
6	...	5	...	14	4	9	4	2	...	1	...	...	...	8	...	...	...	...	...	...	100
8	...	3	...	15	3	2	4	1	...	...	...	...	...	22	1	...	...	...	...	...	92
11	...	9	...	155	81	47	14	8	4	4	...	...	...	36	18	...	70	7	13	1	1085
...	...	...	...	4	1	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	27
...	...	...	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	36
1	...	...	...	7	1	4	4	...	...	...	...	...	...	1	1	...	...	1	...	...	70
156	...	47	...	551	193	105	80	36	5	13	6	...	...	751	44	7	83	18	21	12	3578
244	...	79	1	1077	338	157	*154	66	211	15	13	..	...	913	117	17	62	13	21	2	8755
1269	...	22	1	1982	599	337	231	20	4	8	2	1155	57	...	1684	3	40	27	14	2	9449
1026	1	18	...	1834	623	311	273	14	4	9	2	862	43	...	1393	3	40	15	7	1	8724
3027	2	364	3	7250	2266	1377	1101	241	265	108	42	2017	100	1850	3327	74	359	158	141	24	48414

XXVII.

STILL-BORN in different RACES and CASTES, arranged in Quarters, for the Year beginning 1st January 1902.

MALES.

MONTHS.	Jains.	Brahmins.	Lingaets.	Bhatias.	Hindus of other Castes.	Hindus, Low-Caste.	Mussalman.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Races and Castes.	All Races.	MONTHS.
January	3	6	2	..	42	13	23	2	1	..	..	..	..	..	3	95	January.
February	1	2	..	..	44	10	28	1	..	..	..	2	..	..	3	93	February.
March	5	3	1	1	48	24	22	1	..	2	..	1	..	..	5	110	March.
Quarter, 1st	9	11	3	3	131	47	73	4	1	2	..	3	..	..	11	298	Quarter, 1st.
April	6	3	1	..	45	15	15	3	1	..	..	..	..	..	6	95	April.
May	2	..	..	2	41	19	22	1	..	1	..	1	..	..	2	91	May.
June	1	3	..	..	38	7	12	4	..	1	3	..	..	..	2	71	June.
Quarter, 2nd	9	6	1	2	124	41	49	8	1	2	3	1	..	..	10	257	Quarter, 2nd.
July	1	1	..	..	49	11	19	4	..	5	..	1	..	..	3	94	July.
August	5	2	..	..	53	21	26	4	4	3	..	1	..	..	6	125	August.
September	5	4	..	1	43	10	24	8	..	8	..	..	..	..	2	105	September.
Quarter, 3rd	11	7	..	1	145	42	69	16	4	16	..	2	..	..	11	324	Quarter, 3rd.
October	5	4	..	1	48	13	18	2	..	2	..	1	..	..	2	96	October.
November	3	3	1	2	45	15	18	1	..	5	..	..	..	..	2	95	November.
December	3	3	..	2	35	12	26	1	..	2	..	1	..	..	..	85	December.
Quarter, 4th	11	10	1	5	128	40	62	4	..	9	..	2	..	..	4	276	Quarter, 4th.
Year	40	34	5	11	528	170	253	32	6	29	3	8	..	..	36	1155	Year.

FEMALES.

MONTHS.	Jains.	Brahmins.	Lingaets.	Bhatias.	Hindus of other Castes.	Hindus, Low-Caste.	Mussalman.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Races and Castes.	All Races.	MONTHS.
January	4	1	1	..	33	18	10	2	..	2	..	1	..	..	4	76	January.
February	2	..	1	1	37	10	17	2	..	2	1	..	..	..	2	75	February.
March	..	..	..	1	44	15	18	..	..	2	1	..	..	..	3	84	March.
Quarter, 1st	6	1	2	2	114	43	45	4	..	6	2	1	..	..	9	235	Quarter, 1st.
April	3	5	1	..	27	16	18	2	..	2	..	..	..	..	1	75	April.
May	3	..	..	..	30	10	14	3	..	6	..	..	..	..	3	69	May.
June	2	2	..	1	35	11	13	4	..	5	..	2	..	..	2	77	June.
Quarter, 2nd	8	7	1	1	92	37	45	9	..	13	..	2	..	..	6	221	Quarter, 2nd.
July	..	1	..	..	35	10	7	4	..	2	..	2	..	..	3	64	July.
August	5	2	..	1	36	9	13	4	..	2	..	..	..	..	5	77	August.
September	4	..	..	..	37	14	16	4	..	3	..	..	..	..	3	81	September.
Quarter, 3rd	9	3	..	1	108	33	36	12	..	7	..	2	..	..	11	222	Quarter, 3rd.
October	..	2	..	..	25	14	17	5	..	5	..	..	..	..	3	71	October.
November	3	2	..	..	26	6	9	5	1	5	..	1	..	..	2	60	November.
December	..	5	..	..	20	9	10	2	..	2	..	1	..	..	4	53	December.
Quarter, 4th	3	9	..	..	71	29	36	12	1	12	..	2	..	..	9	184	Quarter, 4th.
Year	26	24	3	4	385	142	162	37	1	38	2	7	..	..	35	862	Year.

PERSONS.

MONTHS.	Jains.	Brahmins.	Lingaets.	Bhatias.	Hindus of other Castes.	Hindus, Low-Caste.	Mussalman.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Races and Castes.	All Races.	MONTHS.
January	7	7	3	..	75	31	33	4	1	2	..	1	..	..	7	171	January.
February	3	2	1	3	81	20	45	3	..	2	1	2	..	..	5	168	February.
March	5	3	1	2	89	39	40	1	..	4	1	1	..	..	8	194	March.
Quarter, 1st	15	12	5	5	245	90	118	8	1	8	2	4	..	..	20	533	Quarter, 1st.
April	9	8	2	..	72	31	33	5	1	2	..	..	..	..	7	170	April.
May	5	..	..	2	71	29	38	4	..	7	..	1	..	..	5	160	May.
June	3	5	..	1	73	18	25	8	..	8	3	2	..	..	4	148	June.
Quarter, 2nd	17	13	2	3	216	78	94	17	1	15	3	3	..	..	16	478	Quarter, 2nd.
July	1	2	..	..	84	21	26	8	..	7	..	3	..	..	6	158	July.
August	10	4	..	1	89	30	39	8	4	5	..	1	..	..	11	202	August.
September	9	4	..	1	80	24	40	12	..	11	..	..	..	..	5	186	September.
Quarter, 3rd	20	10	..	2	253	75	105	28	4	23	..	4	..	..	22	546	Quarter, 3rd.
October	5	6	..	1	73	27	35	7	..	7	..	1	..	..	5	167	October.
November	6	5	1	2	71	21	27	6	1	10	..	1	..	..	4	155	November.
December	3	8	..	2	55	21	36	3	..	4	..	2	..	..	4	138	December.
Quarter, 4th	14	19	1	5	199	69	98	16	1	21	..	4	..	..	13	460	Quarter, 4th.
Year	66	54	8	15	913	312	415	69	7	67	5	15	..	..	71	2017	Year.

XXVIII.

STILL-BORN in different LOCALITIES, arranged in Quarters, for the year beginning 1st January 1902.

MONTHS.	A						B					C							D						E								F				G			Harbour and Docks, Railways and Homeless.	Total.	MONTHS.
	Upper Colaba.	Middle and Lower Colaba.	Fort, Southern.	Fort, Northern.	Esplanade.	Total.	Mandvi.	Chukla.	Umerkhadi.	Dongri.	Total.	Market.	Dhobi Talao.	Fanaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Total.	Khetwadi.	Girgaum.	Chaupati.	Walkeshwar.	Mahalakshmi.	Total.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Total.	Parel.	Sewri.	Sion.	Total.	Mahim.	Worli.	Total.			
	1	2	3	4	5		1	2	3	4		1	2	3	4	5	6		1	2	3	4	5		1	2	3	4	5	6	7		1	2	3		1	2				
January	..	2	..	4	1	7	7	3	11	7	28	10	5	..	7	7	8	37	14	4	..	..	3	21	3	6	4	15	10	23	..	61	5	3	2	10	3	4	7	..	171	January.
February	1	2	..	3	..	11	2	2	10	7	21	6	11	1	8	7	9	42	4	7	..	3	5	19	8	2	5	10	2	24	1	52	4	1	5	10	4	9	13	..	168	February.
March	1	3	..	4	5	13	9	5	18	13	40	1	7	2	5	8	10	28	6	2	..	1	3	12	11	10	12	8	7	17	1	66	5	1	3	9	10	16	26	..	194	March.
Quarter, 1st	2	7	..	16	6	31	18	10	34	27	89	17	23	3	20	17	27	107	24	13	..	4	11	52	22	18	21	33	19	64	2	179	14	5	10	29	17	23	46	..	532	Quarter, 1st.
April	..	4	..	6	..	10	12	6	10	8	36	4	3	4	6	5	8	30	2	4	2	1	4	13	3	9	7	8	4	20	1	52	8	1	5	14	6	9	15	..	170	April.
May	1	3	1	4	3	12	8	3	9	12	32	4	6	3	4	4	5	26	4	2	1	..	3	10	8	13	7	6	9	16	1	60	1	1	6	8	3	9	12	..	16	May.
June	1	2	..	5	4	12	4	6	8	12	30	10	2	5	1	5	3	26	10	2	2	1	1	16	2	13	8	5	4	8	..	40	5	2	3	10	8	11	14	..	148	June.
Quarter, 2nd	2	9	1	15	7	34	24	15	27	32	98	18	11	12	11	14	16	83	16	8	5	2	8	39	13	35	22	19	17	44	2	152	14	4	14	32	12	29	41	..	476	Quarter, 2nd.
July	...	2	..	3	7	12	8	12	8	5	33	6	10	3	4	3	4	30	6	7	2	..	3	18	6	15	3	5	3	9	1	42	5	1	6	15	1	6	7	1	158	July.
August	..	5	..	10	7	22	8	6	17	6	37	10	9	4	9	3	7	42	5	3	..	4	6	18	5	14	6	6	7	20	..	58	10	1	2	13	6	6	12	..	2	August.
September	..	4	..	5	6	15	10	6	14	4	34	10	7	3	6	9	5	40	3	5	4	1	3	16	8	17	3	4	4	19	..	55	5	1	3	9	9	8	17	..	18	September.
Quarter, 3rd	..	11	..	18	20	49	26	24	39	15	104	26	26	10	19	15	16	112	14	15	6	5	12	52	19	46	12	15	14	48	1	155	23	3	11	37	16	27	30	1	546	Quarter, 3rd.
October	..	2	..	5	6	13	8	5	12	7	32	10	9	4	5	4	5	37	2	5	1	1	1	10	9	13	3	5	5	1.	..	47	9	1	2	12	5	11	10	..	167	October.
November	..	4	..	6	2	12	9	5	12	7	33	5	7	4	4	4	5	29	2	4	1	1	5	13	4	19	1	5	4	10	1	44	3	2	1	6	5	13	18	..	125	November.
December	...	2	..	2	2	6	7	6	9	6	28	4	2	8	9	4	4	29	2	3	..	..	7	12	3	18	2	5	5	14	..	42	5	..	2	7	5	4	1	..	11	December.
Quarter, 4th	..	8	..	13	10	31	24	16	33	20	93	19	18	14	18	12	14	95	6	12	2	2	13	35	16	45	6	15	14	36	1	133	17	3	5	25	15	33	48	..	460	Quarter, 4th.
Year	4	35	1	61	43	145	92	65	133	94	384	80	78	39	68	58	73	396	60	48	13	13	44	178	70	144	61	82	64	192	6	619	68	15	49	123	60	111	171	1	2717	Year.

	A						B					C							D						E								F				G					
	Upper Colaba.	Middle and Lower Colaba.	Fort, Southern.	Fort, Northern.	Esplanade.	Total.	Mandvi.	Chukla.	Umerkhadi.	Dongri.	Total.	Market.	Dhobi Talao.	Fanaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Total.	Khetwadi.	Girgaum.	Chaupati.	Walkeshwar.	Mahalakshmi.	Total.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Total.	Parel.	Sewri.	Sion.	Total.	Mahim.	Worli.	Total.	Harbour and Docks, Railways and Homeless.	Total.	
	1	2	3	1	5		1	2	3	4		1	2	3	4	5	6		1	2	3	4	5		1	2	3	4	5	6	7		1	2	3		1	2				

XXIX.

ABSTRACT of the METEOROLOGICAL OBSERVATION supplied by the BOMBAY OBSERVATORY during the year beginning 1st January 1902.

MONTHS.	Pressure of Air. (Barometer 37½ feet above the mean sea-level, and reduced to 32° Fahr.)			Temperature of Air in the Shade. Degree Fahr.			Hydrometric State of Air.					Wind.		Rain at Colaba.		Rain at Byculla.		MONTHS.
							Dew Point. Degree Fahr.			Humidity.		Daily Mean Number of Hours.						
	Mean.	Mean Daily Range.	Absolute Range.	Mean.	Mean Daily Range.	Absolute Range.	Mean.	Mean Daily Range.	Absolute Range.	Mean.	Mean Daily Range.	From Sea.	From Land.	Inches.	On No. of Days.	Inches.	On No. of Days.	
January	29·921	·116	·239	77·0	10·5	20·7	65·9	7·0	24·4	·69	·27	12	12	...	...	...	...	January.
February	29·881	·118	·298	77·5	10·6	19·1	66·3	7·2	26·4	·70	·32	15	9	...	...	...	...	February.
March	29·843	·124	·213	81·9	9·0	15·9	72·6	5·1	19·9	·74	·16	19	5	...	...	...	...	March.
Quarter, 1st	29·915	·119	·250	78·8	10·0	18·6	68·3	6·4	23·6	·71	·25	15	9	...	...	...	...	Quarter, 1st.
April	29·800	·115	·242	84·4	8·3	12·0	75·3	2·5	8·1	·75	·11	21	3	...	...	...	...	April.
May	29·785	·103	·209	87·0	7·3	12·0	76·6	1·8	6·2	·72	·09	23	1	...	...	...	...	May.
June	29·705	·89	·447	85·3	5·9	15·8	77·3	2·3	7·1	·77	·23	21	3	9·77	14	11·06	13	June.
Quarter, 2nd	29·763	·102	·299	85·6	7·2	13·3	76·4	2·2	7·1	·75	·14	22	2	9·77	14	11·06	13	Quarter, 2nd.
July	29·624	·076	·369	82·6	4·0	11·2	77·4	2·0	7·1	·84	·18	22	2	16·96	30	12·99	27	July.
August	29·721	·082	·285	82·2	4·8	11·5	76·0	2·2	6·1	·82	·20	23	1	16·53	24	17·58	18	August.
September	29·764	·095	·318	80·3	5·1	10·4	76·0	2·6	8·3	·86	·18	19	5	27·11	21	28·05	21	September.
Quarter, 3rd	29·703	·084	·324	81·9	4·6	11·0	76·5	2·3	7·2	·84	·19	21	3	60·60	75	58·62	66	Quarter, 3rd.
October	29·880	·112	·303	84·0	7·9	14·6	75·7	3·4	15·1	·77	·31	12	12	·78	5	1·99	5	October.
November	29·925	·111	·331	81·9	10·4	17·4	68·6	6·0	23·9	·65	·35	8	16	,01	1	...	...	November.
December	29·907	·110	·350	77·7	8·8	18·7	67·2	5·7	27·1	·71	·36	9	15	·81	5	1·39	3	December.
Quarter, 4th	29·904	·111	·328	81·2	9·0	16·9	70·5	5·0	22·0	·71	·34	10	14	1·60	11	3·38	8	Quarter, 4th.
Year	29·831	·104	·300	81·9	7·7	14·9	72·9	4·0	15·0	·75	·23	17	7	71·97	100	73·06	87	Year.

Appendix A.

Government Observatory, Colaba, Bombay.

AGGREGATE AND MEAN VELOCITIES AND RELATIVE FREQUENCY OF DIFFERENT WINDS, 1902.

TABLE showing for the year 1902 the Sums of the Velocities, and the Mean Velocities, in miles per hour, of the Winds which blew in each Month, from each of the Sixteen Principal Directions, and also the number of hourly Observations which those sums comprise; the latter numbers indicating the Relative Frequency of the same Wind (as to directions) in the several months; and of different Winds during the same Month.

1902.	N.			NNE.			NE.			ENE.			E.			ESE.			SE.			SSE.		
Months.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.	Sum of Velocities.	Number of Observations	Mean Velocity.
	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles
January ...	964	125	7·7	486	79	6·2	420	60	7·0	616	79	7·8	197	26	7·6	91	13	7·0	15	3	5·0	0	0	0·0
February ..	666	86	7·7	352	58	6·1	207	32	6·5	358	45	8·0	74	12	6·2	62	14	4·4	6	1	6·0	10	2	5·0
March	200	29	6·9	134	27	5·0	69	13	5·3	195	27	7·2	78	12	6·5	58	10	5·8	85	15	5·7	198	35	5·7
April	204	89	5·2	151	27	5·6	39	7	5·6	43	9	4·8	38	5	7·6	11	2	5·5	73	12	6·1	20	4	5·0
May	6	1	6·0	38	8	4·7	29	7	4·1	4	1	4.0	0	0	0·0	0	0	0·0	0	0	0·0	34	5	6·8
June.....	5	2	2·5	0	0	0·0	0	0	0·0	22	3	7·3	18	1	18·0	34	2	17·0	263	12	21·9	1863	76	24·5
July.....	0	0	0·0	11	1	11·0	26	4	6.5	38	5	7·6	71	6	11·8	115	11	10·5	96	10	9·6	366	24	15 2
August ..	22	1	22·0	17	5	3·4	8	2	4·0	13	2	6·5	7	1	7·0	0	0	0·0	25	4	6·2	65	5	13·0
September	96	18	5·3	61	12	5·1	81	15	5·4	119	23	5·2	60	10	6·0	222	29	7·7	106	15	7·1	132	17	7·8
October ...	437	66	6·6	262	47	5·6	359	51	7·0	815	92	8·9	487	59	8·3	299	33	9·1	126	23	5·5	64	12	5·3
November..	482	56	7·7	78	12	6·1	422	58	7·3	2543	230	11·1	770	85	9·1	392	41	9·6	73	10	7·3	0	0	0·0
December..	653	86	7·6	161	23	7·0	484	66	7·3	1536	139	11·1	751	80	9·4	627	50	12·5	115	14	8·2	235	16	18·4
Year...	3685	509	7·2	1746	299	5·8	2144	315	6·8	6302	655	9·6	2551	297	8·6	1911	205	9·3	988	119	8·3	3047	196	15·5

	S.			SSW.			SW.			WSW.			W.			WNW.			NW.			NNW.		
	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles	Miles		Miles
January ...	0	0	0·0	9	3	3·0	5	1	5·0	7	1	7·0	111	16	6·9	359	38	9·5	1658	152	10·9	1700	148	11·5
February..	6	1	6·0	40	11	3·6	4	1	4·0	32	4	8·0	73	8	9·1	777	75	10·4	2101	209	10·1	1183	112	10·6
March	195	23	8·5	153	21	7·3	108	24	4·5	196	28	7·0	544	78	7·5	1741	167	10·4	1495	137	10·9	948	102	9·3
April	3	1	3·0	50	8	6·2	40	8	5·0	267	40	6·7	986	119	8·3	3149	286	11·0	872	120	7·3	275	33	8·3
May	28	3	9 3	144	19	7·6	268	38	7·1	621	88	7·1	1728	200	8·6	2876	298	9·7	561	67	8·4	106	9	11·8
June	1247	58	21·5	706	58	12·2	684	71	8·9	1778	163	10·9	2247	196	11·5	583	68	8·6	114	8	14·2	3	1	3·0
July.....	271	21	12 9	268	24	11·2	1552	131	11·8	4101	264	15·5	4200	218	19·3	236	19	12·4	41	5	8·2	14	1	14·0
August ..	111	13	8·5	24	5	4·8	348	37	9·4	1912	158	12·1	5250	438	12·0	717	63	11·4	35	7	5·0	14	2	7·0
September.	156	15	10·4	145	19	7·6	288	41	7·0	1070	103	10·4	2392	195	12·3	1123	127	8·8	387	55	7·0	139	25	5·4
October ...	96	11	8·7	49	13	3·8	51	11	4·6	65	11	5·9	226	34	6·6	417	45	9·3	1200	114	10·5	97	12	8·1
November..	7	1	7·0	0	0	0·0	12	3	4·0	32	5	6·4	52	6	8·7	291	33	8·8	741	91	8·1	93	8	11·4
December.	382	23	16·6	24	5	4·8	0	0	0·0	43	8	5·4	51	8	6·4	313	45	7·0	748	74	10 1	1162	107	10·9
Year...	2502	170	14·7	1612	186	8·7	3310	366	9·0	10124	873	11·6	17869	1511	11·8	12562	1264	10·0	9953	1 59	9·1	7464	751	9 9

No. of Observations.		No. of Record lost.
Calm.	Variable.	
4	1	0

Appendix B.

MEMORANDUM of DEATHS, including Still-born, for the Year beginning 1st January 1902.

MONTHS.	BODIES HOW DISPOSED OF.			PLACE OF BIRTH.			RESIDENCE OF FAMILIES.			REPORTS.			Number of Deaths not tabulated.
	Buried.	Burnt.	Exposed.	Bombay.	Elsewhere.	Unknown.	Bombay.	Elsewhere.	Unknown.	Written.	Verbal.	TOTAL.	
January	2,376	2,064	120	859	3,502	199	527	3,834	199	446	4,114	4,560	10
February	2,836	3,235	152	1,440	4,584	199	716	5,308	199	637	5,586	6,223	6
March	3,776	3,969	149	1,946	5,656	292	791	6,811	292	792	7,102	7,894	12
April	2,877	3,073	137	1,617	4,283	187	709	5,190	188	711	5,376	6,087	5
May	2,086	1,564	108	1,276	2,369	113	520	3,125	113	406	3,352	3,758	6
June	1,608	903	114	1,032	1,565	88	404	2,133	88	334	2,291	2,625	5
July	1,797	970	146	1,235	1,583	94	510	2,308	94	374	2,538	2,912	9
August	1,896	1,057	122	1,364	1,614	97	461	2,517	97	362	2,713	3,075	8
September	1,947	1,137	115	1,433	1,689	77	495	2,627	77	367	2,832	3,199	6
October	2,053	1,313	116	1,277	2,113	92	490	2,900	92	390	3,092	3,482	7
November	1,882	1,260	94	1,270	1,878	88	451	2,697	88	442	2,794	3,236	5
December	1,716	1,563	101	1,270	2,028	82	464	2,834	82	389	2,991	3,380	3
Total	26,849	22,108	1,474	16,019	32,804	1,608	6,538	42,284	1,609	5,650	44,781	50,431	82*

* The deaths refer to those of persons who died out of Bombay and whose bodies were buried in Bombay. The number also includes still-births.

LICENSE DEPARTMENT.

REPORT OF DR. K. B. SHROFF, L. M. & S., D. P. H., ACTING SUPERINTENDENT OF LICENSES FOR THE FINANCIAL YEAR 1902-03, SUBMITTED UNDER HIS NO. 43, DATED 1ST APRIL 1903.

I have the honour to submit my Administration Report as regards the working of the License Department for the year 1902-1903.

1. I append herewith a tabulated statement showing the amount of fees collected under each head of licensable commodities during the year under report.

2. The income from all these up to 31st March last, including Rs. 666 collected for the previous year during 1902-1903, was Rs. 72,028, that is, Rs. 2,028 in excess of the amount estimated in the Budget, and Rs. 4,512 more than the last year. The outstanding balance is about Rs. 350, and I hope to collect it within a few days.

3. Since the increase in the out-door staff in 1901, the report this year is far more satisfactory than any of the previous years as regards revenue from license fees and the number of licenses issued. From the statement given below it will be seen that this is a record year for the License Department:—

Official year.	No. of inward letters.	No. of outward letters.	No. of notices issued.	No. of summonses issued.	No. of warrants executed.	No. of licenses issued.	Revenue from License Fees.	Actual expenditure for Establishment.	Remarks.
							Rs. a.	Rs. a. p.	
1889-90	...	...	...	...	...	2,311	17,980 0	.....	Under the Health Department.
1890-91	5,513	5,588	3,323	2,676	212	3,335	36,417 8	12,396 0 0	
1891-92	2,733	8,823	4,247	4,663	397	4,110	46,383 0	12,396 0 0	
1892-93	3,275	7,001	4,925	4,165	402	4,633	54,996 8	15,396 0 0	
1893-94	5,349	9,428	5,505	3,339	357	5,407	60,507 8	13,344 0 0	
1894-95	5,228	10,308	5,809	3,162	346	5,701	63,914 8	13,344 0 0	
1895-96	5,208	10,314	5,995	3,931	422	5,880	65,048 8	13,344 0 0	
1896-97	9,812	8,710	5,589	2,339	281	5,130	56,462 8	13,464 0 0	Under the License Department.
1897-98	15,633	9,420	5,893	2,115	320	5,750	63,741 8	14,844 0 0	
1898-99	14,601	9,207	5,697	1,904	250	5,588	60,646 8	15,468 0 0	
1899-1900	17,827	12,114	5,955	2,339	310	5,831	63,732 8	16,016 0 0	
1900-01	17,111	11,222	6,167	2,140	322	5,912	63,689 0	16,297 0 0	
1901-02	20,246	12,978	6,542	2,413	316	6,154	67,516 0	18,185 0 0	
1902-03	20,344	14,125	6,942	2,136	245	6,488	72,028 0	18,276 0 0	

The report would have been still more satisfactory as regards revenue, had it not been for the facts stated below :—

(*a*) Licenses were refused in the case of 23 potteries, as the places where the potters worked were sanitarily objectionable. The parties were prosecuted and were ordered by the Magistrate to remove their business somewhere else.

(*b*) Licenses were also refused in the case of 39 oil presses each paying a fee of from Rs. 5 to Rs. 25, as the buildings in which they were located were found unsuitable for this trade.

(*c*) Owing to dull trade 17 tanneries at Dharavie, each paying a fee of Rs. 65, were closed during the year.

(*d*) Rs. 1,087 are still to be recovered from the G. I. P. Railway and the B. B. & C. I. Railway Companies for storing licensable commodities on their premises. The Railway Companies contend that they are not liable, whereas the Counsels and the Municipal Solicitors have given opinion in our favour. The matter has been referred by the Railway Companies to the Government of India for their final decision in this case.

4. The number of prosecutions conducted during the year against persons for (*a*) carrying on trades subject to licenses, without licenses, (*b*) carrying on trades in places for which no licenses can be granted, and (*c*) for infringing the conditions thereof, amounted to 1,899 against 2,413 instituted during 1901-1902. The amount of fines recovered during the year amounted to Rs. 3,098-8-0.

5. The License Department never looks to increasing revenue at the expense of public health. In all cases the sanitary point is given the primary consideration. Those places which are objected to by the Health Department are never licensed.

6. *Milch-cattle Stables.*—Rigorous inspection is made in all milch-cattle stables, and any infringement of the conditions in the licenses is immediately taken notice of. No new milch-cattle stable in crowded parts of the City is allowed, and when new stables are allowed in sparsely populated localities, the Health Department is always consulted and their requirements strictly enforced.

7. Action for the removal of five old milch-cattle stables in No. 1 Division, which have been rightly objected to by the Divisional Health Officer, No. 1, and the Health Officer, owing to their insanitary condition, was taken, and after repeated convictions three have removed their animals, and one who owns two stables has appealed to the High Court and rule *nisi* has been issued against the Municipal Commissioner to show cause why a license should not be granted. In another old stable on Parel Road next to the J. J. Hospital, known as Parel Downey, which is in a highly insanitary condition, the license has not been renewed, and the accused was convicted and fined Rs. 50 on 24th February 1903. He also has appealed to the High Court. Both these cases will be heard this year. One hundred and ten persons were prosecuted during the year for infringing conditions of licenses in respect of their milch-cattle stables, and for not carrying out sanitary requirements, and they were all convicted by the Magistrates.

8. I agree with the views expressed by the Health Officer in his last Administration Report that on two convictions in a year for infringement of the conditions of the license, the latter should be cancelled.

9. There are still many old stables in the heart of the City which do not conform to the new Bye-Laws as regards milch-cattle stable, but steps for their removal can only be taken gradually.

10. I cannot conclude this report without expressing my great gratification at the way in which each member of my staff both in-door and out-door has discharged the responsible and arduous duties entrusted to him. Were it not for this I would not have been able to present this report to-day and with very little outstanding revenue.

A.

YEARLY Total of License Fees (with Process Fees) recovered during 1902-1903.

No. of Licenses issued.	Nature of Trade.	License Fees. Rs.	a.	Process Fees. Rs.	a.
8	Bones	155	0	0	8
18	Bricks (Hand-made)	180	0	3	8
3	Candles (Manufacturing)	15	0	...	
33	China Grass, Cocoanut Fibre, Flax, Hemp, Jute and Tow..	510	0	2	8
246	Charcoal	1,963	0	37	0
123	Coal and Coke	1,875	0	13	0
38	Cloths in Indigo Dyeing (Hand-power and Machine-power).	915	0	1	0
131	Do. in other Colours, Dyeing (Hand-power and Machine-power)	761	0	29	8
150	Chemical Preparations	2,322	0	11	0
57	Cotton (Storing and Pressing)	1,595	0	8	0
142	Cotton Refuse, Seeds or Waste	2,740	0	25	8
36	Dammer, Tar or Pitch	360	0	3	8
1	Dynamite	50	0	...	
25	Fat and Tallow	375	0	4	8
11	Fins (Dried)	165	0	...	
19	Fish (Dried)	415	0	1	0
137	Fireworks (Retail)	685	0	4	8
19	Do. (Wholesale)	495	0	1	8
271	Firewood (Retail)	542	0	5	0
964	Firewood (Wholesale)	10,380	0	109	0
4	Gas (Manufacturing)	200	0	...	
23	Gunpowder (Retail)	115	0	1	0
6	Do. (Wholesale)	300	0	...	
17	Hides and Skins (Dried)	255	0	3	8
13	Do. (Raw)	650	0	...	
20	Do. (Raw) and Wool	1,300	0	2	0
27	Horns and Hoofs	765	0	3	0
164	Hay, Straw and Grass	3,875	0	52	8
1,171	Kerosine Oil (Retail)	5,855	0	106	8
41	Do. (Wholesale)	2,845	0	2	0
16	Lime for Burning (Lime-kiln)	800	0	4	8
448	Matches (Retail)	893	0	19	0
12	Do. (Wholesale)	345	0	1	8
187	Metals (Casting)	1,952	0	45	0
76	Oil (Ghanees) Mills	613	0	5	8
1	Oils (Mills) prepared by Mechanical Power	50	0	...	
286	Oils (Storing)	4,962	0	27	0
21	Petroleum Oil (Retail) under Municipal Act	105	0	...	
8	Do. under Petroleum Act	24	0	...	
3	Do. (Wholesale) under Municipal Act	75	0	...	
1	Paper (Manufacturing)	15	0	...	
4	Pottery (Do.)	20	0	...	
5	Rags	75	0	...	
3	Rangoon or Burmah Oil	25	0	...	
12	Rosin	60	0	1	8
18	Saltpetre	90	0	...	
35	Sulphur (Retail)	175	0	...	
10	Do. (Wholesale)	150	0	...	
18	Silk (Dyeing)	90	0	0	8
13	Soap (Manufacturing)	195	0	1	8
18	Sugar Refineries	310	0	1	0
79	Stable for Horses	1,980	0	4	0
102	Do. Milch-Cattle	4,575	0	7	0
58	Do. Bullocks	575	0	5	8
3	Do. other four-footed animals	15	0	...	
880	Timber	7,984	0	202	0
115	Turpentine (Retail)	575	0	3	8
11	Do. (Wholesale)	165	0	...	
59	Wool	1,595	0	6	0
46	Waste-paper	46	0	3	0
22	Whistle (Steam)	220	0	...	
6,488	GRAND TOTAL Rs. ...	71,362	0	769	0

B.

STATEMENT showing the Amount of License Fees (with Process Fees) for 1901-1902 recovered in 1902-1903.

No. of Licenses issued.	Nature of Trade.	License Fees.	Process Fees.
		Rs. a.	Rs. a.
1	Bricks (Hand-made)	10 0	1 0
1	Charcoal	7 0	0 8
1	Cloths in other Colours, Dyeing	5 0	0 8
1	Chemical Preparations	15 0	...
2	Cotton Waste	20 0	1 0
1	Fins (Dried)	15 0	...
1	Firewood (Retail)	2 0	0 8
11	Do. (Wholesale)	80 0	6 8
16	Hay, Straw and Grass	400 0	12 0
2	Kerosine Oil (Retail)	10 0	1 0
1	Metals (Casting)	20 0	0 8
1	Oil (Ghani) Mill	7 0	...
1	Pottery (Manufacturing)	5 0	1 0
1	Stable for Horses	20 0	...
1	Do. Bullocks	10 0	...
8	Timber	40 0	6 0
50	TOTAL Rs. ...	666 0	30 8

SUMMARY OF INCOME FOR 1902-1903.

No. of Licenses issued.	Official Year during which collection was made.	License Fees.	Process Fees.	REMARKS.
		Rs. a.	Rs. a.	
50	Income for 1901-1902 collected during the official year 1902-1903.	666 0	30 8	*Vide* Statement marked **B.**
6,488	Income for 1902-1903, collected from 1st April 1902 to 31st March 1903	71,362 0	769 0	*Vide* Statement marked **A.**
6,538	TOTAL ... Rs.	72,028 0	799 8	

1.—MARKETS.

Report of the Superintendent of Markets and Slaughter Houses received under his No. 637 of 25th May 1903.

1. The total amount of stallages from the different Municipal Markets, recoverable every quarter or half-year, under the terms of Section 407 (a) and (c) at the opening of the year, amounted to Rs. 48,395 against Rs. 48,538 at the closing of the year, showing an increase of Rs. 143, which is, in a measure, due to the right of occupancy of some of the stalls in the markets having been sold by auction for a higher sum during the year under report. The following is the detailed statement :—

Names of Markets.	Rent per quarter as appearing at the opening of the year.	Rent per quarter as appearing at the closing of the year.	Increase.	Decrease.	Net Increase.	Remarks.
	Rs.	Rs.	Rs.	Rs.	Rs.	
Colaba Market	316	316	...	...		
Fort do.	4,763	4,763	...	...		Half-yearly.
A. C. Fruit and Vegetable Market ...	15,291	15,335	44	...		
Do. Fish and Mutton Market ...	2,616	2,617	1	...		
Do. Mutton Market (new)	947	950	3	...	Net Increase : Rs. 143-0-0.	
Do. Beef Market	2,634	2,634	...	...		
Godowns	1,553	1,553	...	...		
Fowl Rooms	858	858	...	...		
Erskine Road Fruit and Vegetable Market (old) ...	6,414	6,545	131	...		
Do. do. do. (new) ...	2,448	2,448	...	...		
Do. do. Mutton Market ...	2,571	2,523	...	48		
Bhuleshwar Market	3,152	3,179	27	...		
Pedder do.	472	472	...	...		
Foras Road do.	345	345	...	...		
Pork do.	100	100	...	...		Yearly.
DeLisle Road Sheep Market	3,593	3,593	...	...		Half-yearly.
Fergusson Road Market	322	307	...	15		
Total ...	48,395	48,538	206	63		

2. The total amount of Market fees (exclusive of departmental squatters' fees and those recovered from contractors) collected during the year under report, on the basis of the scale shewn above, amounted to Rs. 1,53,485-0-8 against Rs. 1,52,344-7-7 in the previous year, shewing an increase of Rs. 1,140-9-1. It will be observed on reference to the statement in the margin that there is not much difference in the average number of stalls vacant in each quarter in the different markets during the year under report compared with those in the previous year. This, as well as the fact that the right of occupancy of some stalls were put up to auction during the year under report and higher rents obtained for them, accounts for the increase in stall rents as shown above.

Names of Markets.	Total number of stalls.	Average number of stalls vacant in each quarter in 1902-1903.	Average number of stalls vacant in each quarter in 1901-1902.
Colaba Market	70	34	31
Fort Market	265	60	58
A. C. Fruit and Vegetable Market	562	38	40
Do. Fish and Mutton Market	119	47	47
Do. Mutton Market (new)	68	17	12
Do. Beef Market	77	..	..
Godowns	28	..	..
Fowl rooms	29	1	..
Erskine Road Fruit and Vegetable Market (old)..	426	37	30
Do. do. do. do. (new)..	128	58	62
Do. Mutton Market	114	43	40
Bhuleshwar Market	162	27	32
Pedder Market	40	7	9
Foras Road Market..	68	48	44
Pork Market	2	..	..
DeLisle Road Sheep Market	50	..	..
Fergusson Road Market	28	1	3

The following is an explanatory statement which will show in detail the difference in stall rents on account of the total or partial vacancy of stalls as also the subsequent alterations in stall rents on account of rise or fall in rents at the auction sale during the year under report contrasted with those in the previous year :—

Names of Markets.	Annual rent recoverable as based on the quarterly or half-yearly rents as appearing at the opening of the year.	Difference in collection of rents during the year on account of rise or fall in rents.		Difference in collection of rents during the year on account of total or partial vacancy of stalls.	Net increase.	Net decrease.	Actual amount recovered during the year (difference of columns 2, 6 and 7).	REMARKS.
		Increase.	Decrease.					
1	2	3	4	5	6	7	8	9
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Colaba Market	1,264 0 0	.....	.....	467 14 0	.....	467 14 0	796 2 0	
Fort Market	9,528 0 0	.....	.....	2,428 6 0	.....	2,428 6 0	7,097 10 0	
A. C. Fruit and Vegetable Market	61,164 0 0	179 13 0	.....	3,114 6 1	.....	2,934 9 1	58,229 6 11	
Do. Fish and Mutton Market	10,464 0 0	1 0 0	.....	3,145 7 9	.....	3,144 7 9	7,319 8 3	
Do. Mutton Market (new)	3,788 0 0	8 0 0	.....	959 8 0	.....	951 8 0	2,836 8 0	
Do. Beef Market	10,536 0 0	.....	.....	.....	.....	.....	10,536 0 0	
Godowns	6,212 0 0	.....	.....	.....	.....	.....	6,212 0 0	
Fowl rooms	3,432 0 0	.....	.....	101 13 4	.....	101 13 4	3,330 2 8	
Erskine Road Fruit and Vegetable Market (old)	25,656 0 0	488 4 8	.....	2,184 6 8	.....	1,696 2 0	23,959 14 0	
Do. do. do. (new)	9,792 0 0	.....	.....	4,324 0 0	.....	4,324 0 0	5,468 0 0	
Do. Mutton Market	10,284 0 0	.....	83 8 10	3,097 8 1	.....	3,181 0 11	7,102 15 1	
Bhuleshwar Market	12,608 0 0	40 12 10	.....	2,141 11 9	.....	2,100 14 11	10,507 1 1	
Pedder Market	1,078 0 0	.....	.....	306 0 0	.....	306 0 0	1,372 0 0	
Foras Road Market	1,380 0 0	.....	.....	1,087 0 0	.....	1,087 0 0	293 0 0	
Pork Market	100 0 0	.....	.....	.....	.....	.....	100 0 0	
DeLisle Road Sheep Market	7,186 0 0	.....	.....	.....	.....	.....	7,186 0 0	
Fergusson Road Market	1,288 0 0	.....	30 0 0	119 3 4	.....	149 3 4	1,138 12 8	
Total for 1902-1903	1,76,358 0 0	717 14 6	113 8 10	23,477 5 0	.....	22,872 15 4	1,53,485 0 8	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Colaba Market	1,244 0 0	8 9 4	.....	447 11 4	.....	439 2 0	804 14 0	
Fort Market	9,389 0 0	.....	.....	2,146 5 3	.....	2,146 5 3	7,222 10 9	
A. C. Fruit and Vegetable Market	60,532 0 0	569 9 4	105 4 6	3,683 4 3	.....	3,218 15 5	57,313 0 7	
Do. Fish and Mutton Market	10,436 0 0	16 10 8	.....	3,186 8 8	.....	3,169 14 0	7,266 2 0	
Do. Mutton Market (new)	3,788 0 0	.....	.....	678 8 0	.....	678 8 0	3,109 8 0	
Do. Beef Market	10,640 0 0	.....	34 12 0	59 2 0	.....	93 14 0	10,546 2 0	
Godowns	6,212 0 0	.....	.....	.....	.....	.....	6,212 0 0	
Fowl rooms	3,396 0 0	18 10 8	.....	54 8 0	.....	35 13 4	3,360 2 8	
Erskine Road Fruit and Vegetable Market (old)	25,460 0 0	98 0 0	31 10 8	1,717 1 9	.....	1,650 12 5	23,809 3 7	
Do. do. do. (new)	9,396 0 0	.....	53 4 0	4,631 8 0	.....	4,684 12 0	5,211 4 0	
Do. Mutton Market	10,280 0 0	1 1 0	.....	2,886 11 2	.....	2,885 10 2	7,394 5 10	
Bhuleshwar Market	12,464 0 0	104 0 0	12 0 0	2,436 0 0	.....	2,344 0 0	10,120 0 0	
Pedder Market	1,634 0 0	29 8 0	.....	328 2 0	.....	298 10 0	1,335 6 0	
Foras Road Market	1,380 0 0	.....	.....	1,032 10 0	.....	1,032 10 0	347 6 0	
Pork Market	100 0 0	.....	.....	.....	.....	.....	100 0 0	
DeLisle Road Sheep Market	7,140 0 0	26 1 2	.....	10 8 7	15 8 7	.....	7,155 8 7	
Fergusson Road Market	1,288 0 0	.....	.....	251 2 5	.....	251 2 5	1,036 13 7	
Total for 1901-1902	1,75,259 0 0	872 2 2	236 15 2	23,549 11 5	15 8 7	22,930 1 0	1,52,344 7 7	

3. The amount of stall rents in detail, during the year under report, contrasted with those in the previous four years is as under :—

Names of Markets.	1898-99.	1899-1900.	1900-1901.	1901-1902.	1902-1903.	Difference as compared with 1901-1902.		Remarks.
						Increase.	Decrease.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Colaba Market	735 4 0	860 10 0	880 6 0	804 14 0	796 2 0	....	8 12 0	
Fort Market...	6,925 4 0	6,946 8 0	7,364 4 0	7,222 10 9	7,097 10 0	.....	125 0 9	
A. C. Fruit and Vegetable Market ...	54,208 2 0	54,873 7 2	56,493 6 5	57,313 0 7	58,229 6 11	916 6 4	.....	
Do. Fish and Mutton Market	7,251 8 0	7,141 8 9	7,307 4 0	7,266 2 0	7,319 8 3	53 6 3	.....	
Do. Mutton Market (new)	2,960 0 0	3,113 8 0	3,110 0 0	3,109 8 0	2,836 8 0	.....	273 0 0	
Do. Beef Market	10,309 0 0	10,477 4 0	10,644 0 0	10,546 2 0	10,536 0 0	.....	10 2 0	
Godowns	6,212 0 0	6,212 0 0	6,212 0 0	6,212 0 0	6,212 0 0	.....	.....	
Fowl rooms	3,372 0 0	3,394 8 0	3,377 0 0	3,360 2 8	3,330 2 8	.....	30 0 0	
Erskine Road Fruit and Vegetable Market (old)...	22,809 12 0	23,328 2 8	23,717 10 0	23,809 3 7	23,959 14 0	150 10 5	.....	
Do. do. (new)...	5,108 8 0	5,494 9 4	5,522 12 0	5,211 4 0	5,468 0 0	256 12 0	.....	
Do. Mutton Market	6,752 0 0	7,201 12 0	7,520 9 4	7,394 5 10	7,102 15 1	.....	291 6 9	
Bhuleshwar Market	8,581 4 0	9,239 1 4	9,896 6 8	10,120 0 0	10,507 1 1	387 1 1	.....	
Pedder Market	1,226 0 0	1,245 6 0	1,274 0 0	1,335 6 0	1,372 0 0	36 10 0	.....	
Foras Road Market...	495 14 0	330 0 0	320 11 4	347 6 0	293 0 0	.....	54 6 0	
Pork Market...	100 0 0	100 0 0	100 0 0	100 0 0	100 0 0	.....	.....	
DeLisle Road Sheep Market	7,140 0 0	7,140 0 0	7,140 0 0	7,155 8 7	7,186 0 0	30 7 5	.....	
Fergusson Road Market	592 10 8	1,129 2 0	1,102 12 0	1,036 13 7	1,138 12 8	101 15 1	.....	Opened from 1st November 1898.
Total ...	1,44,779 2 8	1,48,227 7 3	1,51,983 1 9	1,52,344 7 7	1,53,485 0 8	.....	.....	
Increase over preceding year's rent ...	6,881 2 8	3,448 4 7	3,755 10 6	361 5 10	1,140 9 1	.....	.....	
Decrease over preceding year's rent ...	.....	.....	.....	.....	.....	.....	.....	

4. The Squatters' fees from Fish Markets, scale fees in the Crawford Markets compound, and the Fair Ground Rent and the Feeding Fees at the Bandora Slaughter Houses, recovered from the Contractors during the year under report, amounted to Rs. 1,06,265 against Rs. 1,04,485 in the previous year, showing an increase of Rs. 1,780. These rights were put up to auction by the Municipal Auctioneers at the Markets Office. As anticipated the competition at the sale, when the right to collect the Bandora Fees was put up, was very keen, the amount realized being Rs. 69,500, which shows an increase of Rs. 300 over the preceding year. This result is due to the fact that for the last four years or so, the importation of animals on to the Bandora Fair Ground has been very large. The year under report though shows a slight decrease in the importation of horned cattle, the number of buffaloes and sheep and goats imported show a considerable increase—*vide* statement under para. 12. The fees levied by the Fair Ground Contractor on the total number of animals so imported during the year under report was sufficient to very nearly cover the amount paid by him to the Municipality for the right. The fees thus calculated would come to Rs. 68,278 as shown in the margin. To the total amount thus arrived at if added the further fees of one anna each per day for each head of horned cattle and one pie for each sheep and goat which the contractor is authorized to recover per day on animals remained longer than forty-eight hours at the Bandora Slaughter Houses, and which might roughly be estimated at Rs. 15,000 in a year (there being no statistics in this office to arrive at any definite figure), the figure would come to Rs. 83,278 in round sum, to say nothing of the further recovery of fees by him for waggons of hay, &c., landed by the B. B. & C. I. Railway Company on the Slaughter House Siding. This clearly goes to show that the Contractor has still a large margin of profit. In the following statement is contrasted in detail the fees recovered from the different contractors during the year under report with those in the previous four years :—

	Rs.	a.	p.
2,667 buffaloes at 10 annas per head ...	1,666	14	0
44,071 horned cattle at annas 8 per head...	22,035	8	0
713,210 sheep and goats at anna one per head	44,575	10	0
Rs.	68,278	0	0

Particulars.	1898-99.	1899-1900.	1900-1901.	1901-1902.	1902-1903.	Difference as compared with 1901-1902. Increase.	Difference as compared with 1901-1902. Decrease.	Remarks.
	Rs.	Rs.	Rs. a. p.	Rs. a. p.	Rs.	Rs.	Rs. a. p.	
Fort Market ...	1,400	1,250	1,700 0 0	1,900 0 0	1,800	...	100 0 0	
A. C. Beef and A. C. Fish Markets...	5,200 *10	5,350	6,800 0 0	6,800 0 0	6,700	...	100 0 0	* The amount recovered as fine for one day's delay in payment of the monthly instalment.
Erskine Road Fish Market	15,000	13,000	16,850 0 0	15,800 0 0	17,150	1,350	.....	
Pedder Market ...	1,125	1,050	1,400 0 0	1,700 0 0	1,975	275	.....	
Foras Road Market.	35	60	35 0 0	35 0 0	165	130	.....	
Colaba Market ...	650	875	1,100 0 0 †0 5 4	1,050 0 0	1,075	25	.....	† Amount paid in excess by the Colaba Market Contractor in his instalment for the month of April 1900.
Fergusson Road Market	‡ 405	800	1,125 0 0	1,300 0 0	1,300	...	.....	
Total Squatters' Fees	23,825	22,385	29,010 0 0 0 5 4	28,585 0 0	30,165	...	.....	
Scale fees at the A. C. Market compound	4,700	4,700	6,500 0 0	6,700 0 0	6,600	...	100 0 0	‡ This amount is from the opening of the market, that is, from 1st November 1898 to 31st March 1899.
Fair Ground Rent and Feeding Fees at Bandora ...	51,000	66,000	66,500 0 0	69,200 0 0	69,500	300	.....	
GRAND TOTAL ...	79,525	93,085	1,02,010 5 4	1,04,485 0 0	1,06,265			
Increase over preceding year's amount	...	13,560	8,925 5 4	2,474 10 8	1,780			
Decrease over preceding year's amount	1,520	...	.....	.....	...			

5. The Squatters' fees collected departmentally in the several Municipal markets during the year under report amounted to Rs. 3,964-6-9 against Rs. 3,295-12-0 in the previous year, showing an increase of Rs. 668-10-9. This is due to greater number of Squatters having occupied places under the eaves of the markets than in the previous year. In the following statement are contrasted the fees recovered during the year under report with those in the previous year :—

Names of Markets.	1902-1903.	1901-1902.	Difference.		Remarks.
			Increase.	Decrease.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Fort Market	5 12 0	2 11 0	3 1 0	.....	Net Increase Rs. 668-10-9.
A. C. Fruit and Vegetable Market	221 14 0	206 13 0	15 1 0	.....	
Erskine Road Fruit and Vegetable Market	1,783 2 3	1,372 5 0	410 13 3	.....	
Bhuleshwar Market.... ...	1,313 4 0	1,129 11 0	183 9 0	.....	
Colaba Market...	47 0 0	50 13 0	....	3 13 0	
Fergusson Road Market ...	593 6 6	533 7 0	59 15 6	.....	
Total ...	3,964 6 9	3,295 12 0	672 7 9	3 13 0	

6. For ready reference, the total receipts from each market (that is, stall rents, squatters' fees collected departmentally and squatters' fees from the contractors) during the year under report have been shown in the following statement :—

Names of Markets.	Stall Rents.	Squatters' fees collected departmentally.	Squatters' fees from Contractors.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Colaba Market	796 2 0	47 0 0	1,075 0 0	1,918 2 0
Fort Market	7,097 10 0	5 12 0	1,800 0 0	8,903 6 0
A. C. Fruit and Vegetable Market	58,229 6 11	221 14 0	.....	58,451 4 11
„ Fish and Mutton Market	7,319 8 3	.....	6,700 0 0	14,019 8 3
„ Mutton Market (new)	2,836 8 0	.....	.....	2,836 8 0
„ Beef Market	10,536 0 0	.....	.....	10,536 0 0
„ Market Scale Fees	.....	.....	6,600 0 0	6,600 0 0
Godowns	6,212 0 0	.....	.....	6,212 0 0
Fowl rooms	3,330 2 8	.....	.....	3,330 2 8
Crawford Markets, Total	88,463 9 10	221 14 0	13,300 0 0	1,01,985 7 10
Erskine Road Fruit and Vegetable Market (old) ...	23,959 14 0	1,783 2 3	.....	25,743 0 3
„ „ „ (new) ...	5,468 0 0	.....	.....	5,468 0 0
„ Mutton Market...	7,102 15 1	.....	.....	7,102 15 1
„ Fish Market	.....	.....	17,150 0 0	17,150 0 0
Erskine Road Markets, Total	36,530 13 1	1,783 2 3	17,150 0 0	55,463 15 4
Bhuleshwar Market	10,507 1 1	1,313 4 0	.....	11,820 5 1
Pedder Market	1,372 0 0	.....	1,975 0 0	3,347 0 0
Foras Road Market	293 0 0	.....	165 0 0	458 0 0
Pork Market	100 0 0	.....	.....	100 0 0
DeLisle Road Sheep Market	7,186 0 0	.....	.....	7,186 0 0
Fergusson Road Market	1,138 12 8	593 6 6	1,300 0 0	3,032 3 2
Grand Total ...	1,53,485 0 8	3,964 6 9	36,765 0 0	1,94,214 7 5

7. The revenue from other sources, comprising the following heads, was Rs. 1,892-8-9 during the year under report against Rs. 2,097-1-6 in the previous year, showing a decrease of Rs. 204-8-9 as detailed against each head in the following statement :—

Particulars.	1902-1903.	1901-1902.	Difference.		Remarks.
			Increase.	Decrease.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Verifying weights and measures	1,695 8 0	1,775 5 6	.....	79 13 6	Net decrease Rs. 204-8-9.
Garden produce...	4 4 3	28 9 6	.....	24 5 3	
Prices current	88 0 6	80 2 6	7 14 0	.....	
Sale proceeds of meat or animals seized under Section 412 (2)	24 0 0	97 4 0	.....	73 4 0	
Sale proceeds of manure	52 0 0	82 12 0	.....	30 12 0	
Recovery of gas	15 0 0	15 0 0	.....	.....	
Fees for producing Office record, &c. ...	8 0 0	10 0 0	.....	2 0 0	
Fees for preparing duplicate copies of receipts	1 4 0	.....	1 4 0	.....	
Sale proceeds of wood of trees in the Markets compound	4 8 0	8 0 0	.....	3 8 0	
Total ...	1,892 8 9	2,097 1 6	9 2 0	213 10 9	

8. As there is no appreciable difference in the several heads shewn in the above statement the detailed explanation is not necessary.

Slaughter Fees, Butchers' License Fees, &c., &c.

9. The total collection under these heads amounted to Rs. 1,73,954-10-0 during the year under report against Rs. 1,60,759-4-4 in the previous year, showing an increase of Rs. 13,195-5-8 as contrasted in the following statement :—

Particulars.	1902-1903.	1901-1902.	Difference.	
			Increase.	Decrease.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Slaughter fees	1,52,544 2 0	1,39,042 0 0	13,502 2 0	.....
License fees	15,114 8 0	15,713 4 4	.....	598 12 4
Carriage of meat for Commissariat Contractor.	48 0 0	48 0 0	.....	.....
Ground rent	72 0 0	72 0 0	.....	.....
Chawl rent	2,336 0 0	2,319 0 0	17 0 0	.....
Total ...	1,70,114 10 0	1,57,194 4 4	13,519 2 0	598 12 4
Rent from the Commissariat Department (paid direct into the Chief Accountant's Office) ...	3,000 0 0	3,000 0 0	.....	.....
Proceeds of blood from the Contractor	840 0 0	565 0 0	275 0 0	.....
Total ...	3,840 0 0	3,565 0 0	275 0 0	.....
GRAND TOTAL ...	1,73,954 10 0	1,60,759 4 4	13,794 2 0	598 12 4

10. It will be observed on reference to the above statement that the chief item of increase is under the head of Slaughter Fees. It amounts to Rs. 13,902-2-0. This is due to the greater number of animals, particulary buffaloes and sheep and goats, as will appear from the statement in the margin, having been slaughtered during the year under report than in the previous year.

Description of animals.	Number slaughtered in 1902-1903.	Number slaughtered in 1901-1902.	Increase.	Decrease.
Buffaloes	2,658	1,345	1,313	.....
Cows, bullocks and calves...	39,499	43,043	.....	3,544
Sheep and goats	635,740	606,681	29,059	.....

11. It will be observed on reference to several foregoing statements, that the total receipts under all the heads detailed therein amounted to Rs. 4,39,561-10-2, against Rs. 4,22,981-9-5, showing an increase of Rs. 16,580-0-9.

12. During the year under report 2,667 buffaloes, 44,071 horned cattle and 713,210 sheep and goats were brought on the Bandora Fair Ground for examination and disposal, out of which 6 buffaloes, 2,647 horned cattle and 26,726 sheep and goats were found unfit for slaughter on inspection, and were consequently rejected, as shown in the following comparative statement. The remainder were either slaughtered for the markets, or were otherwise disposed of, the details of which are shown in Appendix **A** :—

Year	Animals presented for examination.			Animals rejected.		
	Buffaloes.	Horned cattle.	Sheep and goats.	Buffaloes.	Horned cattle.	Sheep and goats.
1902-1903	2,667	44,071	713,210	6	2,647	26,726
1901-1902	1,489	48,425	693,136	71	3,348	32,773

13. The total amount of refunds, for which certificates were granted on account of Slaughter Fees in respect of the animals that were removed from the Slaughter-houses compound for shipping requirements, was Rs. 2,776-8-0, the details of which are as under :—

Number of cows, bullocks or calves removed on board.	Amount of refund.	Number of sheep and goats removed on board.	Amount of refund.	Total amount of refund.
	Rs. a. p.		Rs. a. p.	Rs. a. p.
30	150 0 0	5,253	2,626 8 0	2,776 8 0

14. The quantity of unwholesome food, particularly meat and fish, destroyed during the year under report as unfit for human consumption, under the provisions of Sections 415 and 416 of the Act, was 103,247 lbs. against 68,868 lbs. in the previous year.

15. The fines inflicted by the Presidency Magistrates for the infringement of the provisions of the Sections of the Municipal Act and the Bye-laws pertaining to Markets and Slaughter-houses amounted to Rs. 1,378 during the year under report, against Rs. 1,271 in the previous year, as detailed below :—

Year.	Section 403 (2) (*b*).	Section 411 (*a*).	Section 411 (*b*).	Section 412.	Bye-laws, Chapter II, Clause 18.	Total amount of fines.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1902-1903	10 0 0	32 0 0	25 0 0	1,306 0 0	5 0 0	1,378 0 0
1901-1902	.....	.....	265 0 0	996 0 0	10 0 0	1,271 0 0

16. The beef and mutton supply during the year under report was fairly good, also the fruit and vegetable supply was up to mark.

Appendix A.

STATEMENT showing the number of animals slaughtered, removed for private slaughter, &c., during the year 1902-1903.

Description of animals.	Months.												Total number of animals.	Total amount of slaughter fees.	Remarks.
	April 1902.	May 1902.	June 1902.	July 1902.	Aug. 1902.	Sept. 1902.	Oct. 1902.	Nov. 1902.	Dec. 1902.	Jan. 1903.	Feb. 1903.	Mar. 1903.			
														Rs. a. p.	
Buffaloes	138	161	232	285	267	222	210	306	185	194	280	178	2,658	26,580 0 0	
Cows	3,671	3,209	3,212	3,057	2,923	2,765	2,926	2,882	3,534	3,527	2,869	3,054	37,629	28,221 12 0	
Bullocks	200	72	68	87	60	69	53	115	93	154	156	88	1,215	911 4 0	
Calves	85	83	63	67	65	66	103	61	29	7	21	5	655	491 4 0	
Sheep, goats, &c., for Bombay ...	55,056	47,318	47,304	52,390	46,942	46,073	47,854	50,238	55,532	48,937	42,894	49,354	589,892	73,736 8 0	
Sheep, goats, &c., for Mahim ...	2,124	1,874	1,931	2,011	1,808	2,783	1,917	2,129	2,299	2,823	2,010	2,694	26,403	1,650 3 0	
Sheep, goats, &c., for Bandora ...	1,962	1,765	1,612	1,540	1,467	1,567	1,380	1,610	1,833	1,680	1,442	1,597	19,445	1,215 5 0	
Horned cattle slaughtered by Commissariat	222	182	140	163	173	171	143	193	180	191	189	193	2,140	1,070 0 0	
Sheep, goats, &c., slaughtered by Commissariat	703	471	513	513	523	510	497	643	497	411	572	561	6,414	400 14 0	
Pigs slaughtered at Sonapore ...	66	39	53	51	45	46	53	52	66	65	55	51	642	642 0 0	
	.....	**1**	**2**	**8**	**2**	**6**	**2**	**9**	**6**		**1**	**1**	**38**	**76 0 0**	
Live horned cattle brought to Bombay	23	12	3	2	31	1	2	15	11	12	18	.....	130	650 0 0	
	1	**2**	.....	.....	.....	.....	.....	.....	**1**	.....	.....	.....	**4**	**20 0 0**	
Live sheep, goats, &c., brought to Bombay	1,006	912	687	636	577	569	811	523	1,118	736	783	1,849	10,207	5,103 8 0	
	26	**17**	**19**	**39**	**26**	**14**	**24**	**10**	**23**	**21**	**19**	**13**	**251**	**125 8 0**	
Live sheep, goats, &c., removed by DeLisle Road Sheep Market Fadkarees	812	1,765	1,916	2,878	1,113	1,435	2,014	1,967	1,302	2,004	1,399	4,695	23,300	11,650 0 0	
													Total Slaughter Fees ..	1,52,544 2 0	

The figures in Block type show the number of animals slaughtered in Bombay by private individuals within the meaning of Section 403 (2) (e) of the Act.

EDUCATIONAL.

REPORT OF THE JOINT SCHOOLS COMMITTEE, FORWARDED BY THE COMMITTEE'S SECRETARY UNDER HIS No. 437 OF 22ND JUNE 1903.

THE JOINT SCHOOLS COMMITTEE'S OFFICE,
BOMBAY, *25th May* 1903.

REPORT ON THE ADMINISTRATION OF THE JOINT SCHOOLS COMMITTEE FOR THE YEAR 1902-1903.

Constitution of the Committee.

At the commencement of the year the Committee consisted of the following members :—

Appointed by Government.	*Appointed by the Corporation.*
MR. NANU N. KOTHARE.	THE HON'BLE MR. IBRAHIM RAHIMTOOLA.
MR. CHIMANLAL H. SETALWAD, B.A., LL.B.	MR. JAMES MACDONALD.
PRINCIPAL M. MACMILLAN, B.A.	MR. SUNDERNATH D. KHOTE.
KHAN BAHADOOR DARASHAW R. CHICHGUR.	RAO BAHADOOR DHAKJI VASHINATHJI.

The two senior members who retired during the year under Section 39 (3) of the Bombay Municipal Act were Messrs. Nanu N. Kothare and James MacDonald, and were both re-appointed by Government and the Corporation, respectively.

The Hon'ble Mr. Ibrahim resigned his seat on the Board and the Committee passed a resolution expressing their regret at the resignation of such an active and useful member as the Hon'ble Mr. Ibrahim who served on the Board for five years. Mr. Kazi Kabiruddin, Bar.-at-Law, was appointed by the Corporation to succeed him as a member of the Committee. Mr. MacMillan resigned his seat on the Committee and it was resolved that a vote of thanks be tendered to him for his valuable services as a member of the Committee. Government appointed Mr. A. L. Covernton in his place.

The Committee re-elected Mr. Chimanlal H. Setalwad as their Chairman for the year 1903, and in so doing observed that in Mr. Setalwad they had found an excellent Chairman who had done his work well during the past year.

Finance.

The opening balance of the School Fund was Rs. 53,753 against Rs. 62,331 for the preceding year. The total income amounted to Rs. 1,42,542 showing an increase of Rs. 1,821 over the total for 1901-02, chiefly due to a larger amount realized from fees. The expenditure was Rs. 1,55,680 as against Rs. 1,49,298 for the previous year. The increase was principally due to higher rents paid for better accommodation, new furniture purchased for the Lord Harris School, stipends paid to additional students sent to Training Colleges for study, appointment of an Inspectress for girls' schools and new schools registered for grants-in-aid. A sum of Rs. 13,138 was appropriated from the Balance to meet the excess of expenditure over income, and the year accordingly closed with a balance of Rs. 40,616.

The average cost per pupil was Rs. 18·4 as against Rs. 17·4 in 1901-02, and was distributed as under :—

Teaching	Rs.	12·1
Rent	,,	4·8
Miscellaneous	,,	1·5
Total...	Rs.	18·4

The increase of Re. 1 in the average cost per pupil is due to increase of expenditure as well as to a slight fall in attendance during the year.

Municipal Schools.

A summary of the total number of Municipal Schools, Marathi, Gujerati and Urdu, together with the total attendance thereat for the past two years, is as below :—

Class of Schools.	Municipal.			
	1901-1902.		1902-1903.	
	Schools.	Pupils.	Schools.	Pupils.
MARATHI.				
Day Schools—				
Middle Schools ...	3	110	3	123
Primary for boys	31	2,739	31	2,651
Do. for girls	10	420	10	429
Total ...	44	3,369	44	3,203
Night Schools ...	...	...	...	...
Total of Marathi Schools ...	44	3,269	44	3,203
GUJERATI.				
Day Schools—				
Middle Schools ...	2	52	2	61
Primary for boys ...	13	1,738	13	1,706
Do. for girls ...	7	797	7	786
Total ...	22	2,587	22	2,553
Night Schools ...	...	...	...	...
Total of Gujerati Schools ...	22	2,587	22	2,553
URDU.				
Day Schools—				
Middle Schools ...	...	...	...	...
Primary for boys...	16	1,073	17	1,051
Do. for girls ...	2	272	2	273
Total ...	18	1,345	19	1,324
Night Schools ...	1	34	1	33
Total of Urdu Schools ...	19	1,379	20	1,357
Grand Total of Marthi, Gujerati and Urdu Schools ...	85	7,235	86	7,123

The number of Municipal Schools has risen from 85 to 86 by the opening of a new Urdu School at Foras Road. During the year under report two girls' classes were opened by the Committee, one in connection with the Valkeshwar Marathi School and the other in connection with the Lower Mahim Marathi School in response to applications received from the residents of those localities. A Gujerati Class for boys has also been attached to the Matunga Marathi School in compliance with a petition made to the Committee by some of the inhabitants of Naigaum and Matunga, and it is expected that all the three classes will in the near future form into independent schools. The attendance in the Municipal Schools has fallen from 7,235 to 7,123. The decrease is shared by the Marathi, Gujerati and Urdu Schools and is mostly due to the virulence of the plague in the month of March, by which time the plague used to subside in previous years. The increase, however, in the average monthly number on the rolls shows that the attendance in our schools has been year after year steadily improving. The progress of the pupils attending Municipal Schools is, on the whole, good. Very few teachers were reported by the Inspecting Officers as having done unsatisfactory work and they have been duly warned by the Committee. Of the three free schools for low-caste children, the Kamathipura Nirashrit School is the most efficient. It has already 149 pupils on its roll. The condition of the Dharavi School is, however, not equally satisfactory. It is to be seen how the removal of the Chandanwady School to the new Harris Building affects the attendance in the Crawford Market Nirashrit School.

Prizes and Scholarships.

Three out of the four Middle School Scholarships were won by Municipal Boys' Schools, *viz.*, the Dongri and the Matunga Marathi Schools and the Mazagon Urdu School. One of the Mary Carpenter Scholarships, awarded by the National Indian Association, was carried off by a pupil of the Sorabji Shapurji Bengalee Girls' School and another by a pupil of the Kalbadevi Marathi Girls' School. One out of seven candidates sent by the Vithalwady Marathi School for the Third Grade Public Service Certificate Examination was successful.

Trained Teachers.

Over a dozen students who are being trained at the Poona and Ahmedabad Colleges are receiving stipends from the Committee. As it is difficult to get a sufficient number of trained teachers to work in our schools on reasonable salaries, it is advisable to have training classes in Bombay teaching at least the First Year's Course or to have an examination for teachers in Primary Schools held in Bombay on the lines of the examinations now held for teachers in Secondary Schools.

Physical Training.

There is continued progress in this branch of education. Bar-bells, Dumb-bells and Health exercisers were supplied to several schools during the year. The Dongri School has been regularly using the cricket apparatus given to it. Sand and other materials were given to the Khetwady Marathi School for the school gymnasium. The Drill Master has again been put in charge of new schools in place of old ones in which teachers are now able to exercise their respective classes in drill for a short time every day.

School Buildings.

Special buildings for the Sion Boys' and Girls' schools and the Lower Mahim School have been constructed and the schools removed to the new premises for which arrangements were made with landlords last year. The Committee has been carrying on negotiations for the purchase of a suitable building for the S. S. Bengalee Girls' School at Karelwady.

The Lord Harris School Building will be shortly handed over to the Committee by the Corporation for occupation by the Chandanwady Marathi and Gujerati Schools. A vacant plot of ground behind the building has been given for the use of children as a play-ground. New furniture has been supplied to the schools.

The following schools have been removed to better houses :—

Shivadi Marathi School.
Matunga „ „
Girgaum „ „
Dadar „ Girls' School.
Rangari Street Gujerati Girls' School.
Khara Talao Urdu School.

The undermentioned schools have been provided with additional accommodation :—

Currey Road Marathi School.
Vithalwady „ „
Parel Urdu School.

Appointment of an Inspectress.

In February 1901 the Corporation drew the attention of the Joint Schools' Committee to the recommendation of the Education Commission for the employment of Lady Inspectors and requested a report on the feasibility or otherwise of carrying it out. The Committee reported that for the present the employment of female inspectors was scarcely feasible and not particularly necessary. The Corporation returned the report with a request to consider the subject of appointing Lady Inspectors. The matter was referred to a Sub-Committee, on whose recommendation applications were invited by advertisement for the post of a female inspector, and Mrs. Sheventibai Nikambe was appointed on probation for one year only as Inpectress of Girls' Schools on a salary of Rs. 100 per mensem with Rs. 15 carriage allowance from 1st July 1903 and the Corporation was informed accordingly. She has been entrusted with the work which the Marathi and Gujerati Inspectors used to do hitherto in connection with the Municipal and aided Marathi and Gujerati Girls' schools in Bombay.

Aided Schools.

The following table shows the number of aided schools and pupils for the last two years:—

Class of Schools.	Aided.			
	1901-1902.		1902-1903.	
	Schools.	Pupils.	Schools.	Pupils.
MARATHI.				
Day Schools—				
Primary for boys...	32	2,619	32	2,747
Do. for girls...	19	1,467	19	1,498
Total ...	51	4,086	51	4,245
Night Schools	15	201	15	238
Total of Marathi Schools ...	66	4,287	66	4,483
GUJERATI.				
Day Schools—				
Primary for boys	16	2,555	17	2,641
Do. for girls	11	1,180	11	1,112
Total ...	27	3,735	28	3,753
Night Schools	...	...	...	...
Total of Gujerati Schools ...	27	3,735	28	3,753
URDU.				
Day Schools—				
Primary for boys	2	373	2	360
Do. for girls	...	...	1	19
Total ...	2	373	3	379
Night Schools	...	...	...	...
Total of Urdu Schools ...	2	373	3	379
Grand Total of Marathi, Gujerati and Urdu Schools ...	95	8,395	97	8,615

The number of aided schools has increased from 95 in 1901-02 to 97 in the year under report and that of pupils from 8,395 to 8,615.

Three new schools, one on each of the Marathi, Gujerati and Urdu sides, were registered during the year and the Colaba Day School was closed for want of attendance. Thus there is a net increase of two schools only. The S. P. G. Mission Urdu Boarding Girls' School and the Pydhoni Branch of the Fort and Proprietary High School were registered under Chapter V. The Durgadevi Indigenous School was registered under Chapter VI. The S. P. G. Mission School is the first Urdu Aided School of its kind.

Permission is granted to transfer Byculla Night School of the Prarthana Samaj to the premises of the Kamathipura Nirashrit School and its name is also changed to Kamathipura School. A private night school opened under the auspices of the Kamgar Sahayakari Mandali has also been allowed the use of the Municipal Seven Roads School premises. Almost all the Aided Schools obtain good reports and the total amount of grant-in-aid paid by the Committee during the year comes to Rs. 24,111 as against Rs. 23,327 awarded in the year 1901-02. The figures include the fixed grant of Rs. 5,000 paid every year by the Committee to the Anjuman Islam Schools. The Committee have now sanctioned a scale of grants adapted to the revised standards.

Donations.

The Committee accepted with thanks the following offers :—

(1) Books and slates of the value of Rs. 146 for distribution among very poor pupils in the Municipal Schools from Mr. Vithaldas Damodar Thakersey.

(2) A copy of Dnyan Chakra (Gujerati Cyclopædia) as a present to the S. S. Bengalee Girls' School from Mr. Bezonji A. Kamdin.

(3) A library of useful books for the benefit of the members of the Female Self-Improvement Society to be in charge of the Head Mistress, Bhuleshwar Girls' School, from Dr. Tuljaram Chunilal Khandwala.

(4) A map of India for the Shivdi School from Mr. Jamsetji Dubash, late Curator, Government Central Book Depôt.

(5) One hundred copies of Poems on Kindness to Animals for distribution to the schools from Mr. K. M. Shroff.

(6) Slate pencils and books for distribution to the pupils of the Kamathipura Nirashrit School from Dr. Chavan.

Coronation.

Copies of the Coronation Ode received from the Educational Inspector, C. D., as well as from Mr. N. T. Vaidya were supplied to schools, and the masters were instructed to have it sung on the Coronation day. The undermentioned Societies and Gentlemen were thanked by the Committee for inviting the pupils and teachers of some of the Municipal Schools to a treat on the Coronation day :—

Anjuman-i-Islam.
Anjuman-i-Ahbab.
Cutchi Dasa Oswal Society.
Mr. Cassambhoy Jairajbhoy.

Mr. Maneklal Motilal Shaha's offer of 750 copies of Deshi Hisab for distribution in Municipal Gujerati Schools in commemoration of the Coronation was also thankfully accepted by the Committee.

Mr. M. H. Muckba has been permitted by the Committee to distribute to Urdu Schools every year copies of the Koran of the value of Rs. 100 in honour of the King's Coronation.

Normal Class.

Bai Gulab Haribhai, 1st Assistant, Bhuleshwar Girls' School, has returned from the Bai Bhicaiji Bengalee Girls' School with a satisfactory report about her work there, and Mr. Ranchodji Bhulabhai, 2nd Assistant, Kapad Bazar School, has been permitted to attend the school once a week to note the method of teaching.

Revised Standards.

The revised standards have been translated into Marathi and Gujerati and printed copies of the same have been distributed to all the Municipal and Aided Schools. The Urdu translation is in preparation. The Marathi and Gujerati Inspectors have also issued the necessary instructions to schools in connection with the revised standards.

Free Studentships.

On the recommendation of the Marathi and Gujerati Inspectors the percentage of free students in the Municipal Girls' Schools has been increased from 15 to 25 as the Head Mistresses had sometimes to refuse admission to some really poor girls.

Competitive Essays.

The Committee invited essays on school discipline and methods of teaching from the teachers employed in Municipal Schools, and offered prizes for the two essays which may be found best in the order of merit. There were 19 competitors on the Marathi side, 15 on the Gujerati side and 24 on the Urdu side. Mr. Kashinath W. Kane, Head Master, Kamathipura 2nd-grade A. V. School, whose essay was considered to be the best, was awarded the first prize of the value of Rs. 25, and Mr. Dayabhoy Jagubhoy, Head Master, Rangari Street School, whose essay was considered to be the second best, was awarded the second prize of the value of Rs. 15.

Death of Teachers.

The Committee regret to record the death of 8 teachers and one tailor during the year. Of these three were trained Mistresses, two on the Gujerati side and one on the Marathi side, on account of whose death the Schools in which they were working have suffered a great loss. The death of the Head Master of the Madanpura School, who used to take a keen interest in the promotion of physical training of Mahomedan children, is particularly regretted.

Dismissal.

Mr. Mowjee Naranji, an untrained non-pensionable teacher in the Kapad Bazar School on Rs. 10, who had made a false declaration that he had paid the fee of the class to the Head Master and who by his general conduct and character was thoroughly unfit for service as a teacher was, with the sanction of the Director of Public Instruction, dismissed from Committee's service.

Retirement.

In October 1902, on the recommendation of the Medical Board, the Committee allowed Mr. Ramchandra B. Bal, Head Master, Valkeshwar School, to retire on invalid pension. He was a second-year trained man and a conscientious worker. Another teacher, who is permitted to retire on superannuation pension from 1st April 1903, is Mrs. Miriambai Sampson, Head Mistress, Byculla Girls' School. She holds a Third Year's Certificate of the Poona Female Training College and has been very popular.

Race of Pupils.

Race.	1901-1902.			1902-1903.		
	Municipal.	Aided.	Total.	Municipal.	Aided.	Total.
Europeans and Eurasians	...	...	...	...	1	1
Portuguese and Native Christians	47	713	760	37	585	622
Hindoos	4,870	4,115	8,985	5,083	4,444	9,527
Mahomedans	1,631	853	2,484	1,634	930	2,564
Buddhists	...	...	...	...	2	2
Parsis	257	2,296	2,553	253	2,161	2,414
Others	430	418	848	116	492	608
Total ...	7,235	8,395	15,630	7,123	8,615	15,738

The decrease in the number of "Portuguese and Native Christians" is due to the fact that some of the orphans from the famine-stricken districts attending the Mission Schools have finished their Vernacular course, and the decrease of Parsi students is probably due to the growing tendency of Parsi parents to send their children to English-teaching schools.

R. S. TAKI,

Acting Secretary, Joint Schools Committee.

Appendix A.

Statement of Actual Income and Expenditure of "The School Fund" for the year 1902-1903.

Receipts.	Amount.	Expenditure.	Amount.
	Rs. a. p.	A.—Schools.	Rs. a. p.
1. Balance on the 1st of April 1902	53,753 15 1	1. Head Masters and Teachers	73,681 15 3
2. Government Grant to Primary Education and Inspection.	42,666 0 0	2. Servants	2,218 13 4
3. Fees from Municipal Schools...	19,278 12 0	3. Rent	34,514 7 9
4. Contribution from the General Municipal Fund... ...	80,000 0 0	4. Cost of Class Books	416 13 2
5. Government Grants-in-aid towards Buildings	.....	5. School Furniture	2,696 14 0
6. Interest on Endowments or Investments	523 11 0	6. Prizes	1,458 15 5
7 Miscellaneous	73 14 6	7. Contingencies and Miscellaneous	3,933 13 4
		8. Scholarships in Schools	322 0 10
		9. Stipends of Students under Training as Vernacular Teachers	1,635 12 2
		10. Inspectors' Establishment	10,415 2 2
		11. Grants-in-aid to Primary Schools	24,111 14 4
		B.—Buildings.	
		1. Municipal Original Works	.....
		2. Repairs to Municipal School Houses	273 8 9
		Balance on 31st March 1903	40,616 2 1
Total Rupees ...	1,96,296 4 7	Total Rupees ...	1,96,296 4 7

R. S. TAKI,
Acting Secretary, Joint Schools Committee.

The Joint Schools Committee's Office,
Bombay, 25*th May* 1903.

Appendix B.

Balance Sheet of "The School Fund" for the year 1902-1903.

Liabilities.	Rs. a. p.	Assets.	Rs. a. p.
To Deposit Account	358 14 1	By Advance Account	214 8 0
„ Hurkisondas Brijlal Prize Fund—		„ Bank of Bombay, Government, &c., Paper Deposit Account	27,000 0 0
Principal ... ... Rs. 500 0 0		„ Bank of Bombay Surplus Cash, Government, &c., Paper Deposit Account	39,674 6 0
Interest ... ... „ 21 10 7	521 10 7	„ Actual Cash Balance on 31st March 1903—	
„ Dr. Blaney Prize Fund—		In Bank of Bombay ... ... Rs. 8,609 15 4	
Principal ... ... Rs. 1,000 0 0		In Office Treasury ... ... „ 1 0 0	
Interest ... ... „ 53 10 9	1,053 10 9		8,610 15 4
„ Madhavdas Rugnathdas Prize Fund—			
Principal ... ... Rs. 500 0 0			
Interest ... ... „ 23 6 0	523 6 0		
„ S. S. Bengalee School Building Deposit Account—			
Principal ... ... Rs. 25,000 0 0			
Interest ... ... „ 3,760 3 3	28,760 3 3		
„ Interest on Investment of Surplus Cash Balance ...	3,665 14 7		
„ Income and Expenditure Account— Balance on 31st March 1903	40,616 2 1		
Total Rupees ...	75,499 13 4	Total Rupees ...	75,499 13 4

R. S. TAKI,
Acting Secretary, Joint Schools Committee.

The Joint Schools Committee's Office,
Bombay, 25*th May* 1903.

Appendix C.

Examination Results of Primary Schools (Marathi) for 1902-1903.

CLASS OF SCHOOLS.	Number of separate schools examined.	Number of pupils examined.	STANDARD I.					STANDARD II.						STANDARD III.						STANDARD IV.						STANDARD V.						STANDARD VI.						
			Number of pupils examined.	Number of pupils passed in				Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					
				Arithmetic.	Reading.	Writing.	Needle-work.		Arithmetic.	Reading.	Writing.	Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History & Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History & Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History & Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History & Geography.	Needle-work.	Sanitary Primer.
1.—BOYS—																																					
Municipal	31	3,172	584	519	514	529	..	529	521	493	507	516	..	507	447	427	423	455	..	322	275	249	299	262	..	35	33	29	34	29	..	..	..	..	..	..	..	..	..
Aided	40	1,995	655	546	526	519	22	486	353	325	323	335	14	397	299	233	274	249	46	256	194	146	206	138	20	28	15	11	16	12	..	...	..	..	..	..	..	..	..
Total ..	71	5,167	1,239	1,065	1,040	1,048	22	1,015	874	818	830	851	14	904	746	660	697	704	46	578	469	395	505	400	20	63	48	40	50	41	..	..	..	..	..	..	..	..	..
Total of the previous year ..	71	5,880	1,106	894	952	965	14	1,038	821	791	801	818	36	781	621	574	623	594	31	504	408	342	429	365	13	86	66	56	69	63	..	..	..	..	..	..	..	..	..
2.—GIRLS—																																					
Municipal	10	519	87	83	78	73	11	63	63	58	52	18	42	39	34	33	35	37	38	31	25	30	31	28	29	8	8	7	8	6	6	...	...	..	..	..	..	..	..
Aided	19	1,432	263	209	211	191	179	213	177	164	152	14	155	186	146	134	139	147	138	115	104	93	95	94	102	13	12	12	13	13	13	2	..	..	..	..	..	..	..
Total ..	29	1,951	350	292	289	264	190	281	240	222	204	32	197	225	180	167	174	184	176	146	129	123	126	122	131	21	20	19	21	19	19	2	..	..	..	..	..	..	..
Total of the previous year ..	29	2,116	406	289	299	281	175	308	227	216	215	1	224	247	174	156	168	179	170	161	131	119	120	127	135	32	20	21	23	19	22	1	1	1	1	1	..	1	..
Grand Total ..	100	7,118	1,589	1,357	1,329	1,312	212	1,296	1,114	1,040	1,034	883	211	1,129	926	827	871	888	222	724	598	518	631	522	151	84	68	59	71	60	19	2	..	..	..	..	..	..	..
Grand Total of the previous year ..	100	7,996	1,512	1,183	1,251	1,246	189	1,346	1,048	1,007	1,016	819	260	1,028	795	740	791	773	201	665	539	461	549	492	148	118	86	77	92	82	22	1	1	1	1	1	..	1	..

Appendix D.

Examination Results of Primary Gujerati Schools in Bombay for the year 1902-1903.

CLASS OF SCHOOLS.	Number of separate schools examined.	Number of pupils examined.	STANDARD I.					STANDARD II.						STANDARD III.						STANDARD IV.						STANDARD V.						STANDARD VI.						
			Number of pupils examined.	Number of pupils passed in				Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					Number of pupils examined.	Number of pupils passed in					
				Arithmetic.	Reading.	Writing.	Needle-work.		Arithmetic.	Reading.	Writing.	Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History and Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History and Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History and Geography.	Needle-work.		Arithmetic.	Reading.	Writing.	History and Geography.	Needle-work.	Sanitary Primer.
1.—BOYS' SCHOOLS—																																					
Municipal	13	1,570	236	179	182	184	..	500	344	354	354	350	..	309	204	222	232	270	..	211	130	129	150	134	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Aided	17	2,392	500	353	388	362	60	526	390	414	393	393	44	449	351	349	360	314	33	370	258	271	280	230	22	38	28	28	26	26	12	..	..	..	..	..	..	..
Unaided	2	301	77	67	72	65	...	39	27	32	31	31	..	33	15	22	25	18	..	32	26	27	29	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	32	4,263	813	599	642	611	60	1,065	761	800	778	774	44	791	570	593	618	549	33	613	414	427	459	393	22	38	28	28	26	26	12	..	..	..	..	..	..	..
Total of the previous year ..	31	3,658	768	637	673	652	44	1,032	864	861	879	845	47	693	580	577	604	537	34	479	397	403	427	369	27	38	26	32	36	27	13	..	..	..	..	..	..	..
2.—GIRLS' SCHOOLS—																																					
Municipal	7	756	127	110	117	92	..	142	100	117	112	99	94	72	56	63	59	57	52	54	40	53	46	49	50	19	17	17	17	18	18	12	12	12	11	12	12	3
Aided	11	1,047	195	161	178	144	70	205	164	181	161	144	158	142	115	131	129	121	122	121	93	114	114	105	106	52	30	33	34	28	35	15	12	13	13	12	13	3
Total	18	1,803	322	271	295	236	70	347	264	298	273	242	252	214	206	197	188	178	174	175	133	167	160	154	156	71	47	50	51	46	53	27	24	25	24	24	25	6
Total of the previous year.	18	1,863	354	307	326	320	35	312	232	271	257	241	246	238	193	215	216	209	225	144	105	130	140	100	135	61	42	54	55	41	57	24	23	24	23	21	24	..
Grand Total	50	6,066	1,135	870	937	847	130	1,412	1,025	1,098	1,051	1,016	296	1,005	776	790	806	727	207	738	547	594	619	547	178	109	75	78	77	72	65	27	24	25	24	24	25	6
Grand Total of the previous year ..	49	5,821	1,122	944	999	972	79	1,344	1,116	1,132	1,136	1,086	293	936	773	692	824	746	269	623	502	533	567	469	162	99	68	76	91	68	70	24	23	24	23	21	24	..

Appendix E.

Examination Results of Primary Schools (Urdu) for 1902-1903.

Class of Schools.	Number of separate schools examined.	Number of pupils examined.	STANDARD I.				STANDARD II.					STANDARD III.					STANDARD IV.					STANDARD V.				
			Number of pupils examined.	NUMBER OF PUPILS PASSED IN			Number of pupils examined.	NUMBER OF PUPILS PASSED IN				Number of pupils examined.	NUMBER OF PUPILS PASSED IN				Number of pupils examined.	NUMBER OF PUPILS PASSED IN				Number of pupils examined.	NUMBER OF PUPILS PASSED IN			
				Arithmetic.	Reading.	Writing.		Arithmetic.	Reading.	Writing.	Geography.		Arithmetic.	Reading.	Writing.	Geography.		Arithmetic.	Reading.	Writing.	History and Geography.		Arithmetic.	Reading.	Writing.	History and Geography.
Boys' Schools	18	740	108	78	91	100	71	54	66	61	43	50	31	37	46	37	27	21	20	27	23	9	7	8	8	7
Girls' Schools	2	141	28	16	16	18	16	12	10	11	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	20	881	136	94	107	118	87	66	76	72	54	50	31	37	46	37	27	21	20	27	23	9	7	8	8	7
Total of the previous year ..	19	320	137	84	95	102	109	78	84	96	69	49	39	43	48	39	19	12	15	18	17	6	6	5	6	6

ANNUAL REPORT

OF THE

MUNICIPAL AUDITORS,

1902-1903.

To

M. N. WADIA, Esq.,

Municipal Secretary,

BOMBAY.

SIR,

We have the honor to forward herewith our report on the Municipal accounts for the year 1902-03 in view to the same being printed and placed before the Corporation as usual.

We have the honor to be,

Sir,

Your most obedient servants,

A. THOMSON,
S. D. GUPTE, } *Municipal Auditors.*

BOMBAY, *29th August* 1902.

REPORT OF THE AUDITORS OF MUNICIPAL ACCOUNTS FOR THE YEAR 1902-03.

No 14760, dated 10th March 1902.

For the audit of the accounts under review, the Corporation were pleased by their Resolution quoted at margin to appoint Messrs. Dinanath Harischandra and A. Thomson. The former, as the Corporation are aware, died on the 13th March 1902, and his place was filled up by Mr. Sakharam Dhondeo Gupte, *vide* Corporation Resolution No. 3180, dated 17th July 1902. The latter assumed charge of his duties on the 19th July 1902.

2. As usual all the vouchers and papers relating to both the receipts and disbursements for 1902-03 have been compared with the Day Books and Subsidiary Ledgers or compilations of charges; the General Ledger postings have also been checked with the entries in the Day Books, and those in the Journal with the Subsidiary and General Ledgers.

3. The Banks' receipts of investments on account of Sinking Funds of the different Loans, also of Municipal Buildings, Fire Insurance, School Buildings, Worn-out Mains Renewal and Premia, &c., Funds, as well as securities from Contractors in Government, Port Trust and Municipal Bonds deposited with the Bank of Bombay and the Pass Book of the various Banks have been examined and found to be correct and in order.

4. In accordance with the directions of the Corporation contained in their Resolution passed on the 19th November 1888, which were communicated to the Auditors under the Municipal Secretary's letter No. 5374, dated 30th idem, all Sinking Fund investments pertaining to the year were examined, and it is certified that they have all been duly and properly made.

5. The Weekly Statements of Receipts and Charges of Municipal Funds were examined as they were prepared and prior to their publication in the *Government Gazette*.

6. In the year under review, however, all the securities furnished and on record in the Chief Accountant's Office have been examined with the Policies or Bonds as the case may be, and the Registers maintained in the Chief Accountant's Office.

7. The figures below given show the No. of vouchers included in the year's accounts as compared with those of the previous year :—

		1901-02.	1902-03.
Receipt vouchers number	...	25,160	25,607
Disbursement ,,	...	83,208	72,987
Total	...	108,368	98,594

8. The total receipts of Municipal revenue from all sources, as shown in Appendix 2 of the Chief Accountant's Report, including interest and profit on investments, amounted to Rs. 81,75,688-1-3 as against Rs. 77,66,729-9-3 for the previous year, being Rs. 4,08,958-8-0 more than the previous year.

9. The total disbursements from Municipal Funds amounted to Rs. 84,53,398-1-8 as against Rs. 82,26,457-13-2 in the previous year, being Rs. 2,26,940-4-6 more than the previous year.

10. The Opening Cash Balance on 1st April 1902, inclusive of Reserve Stock, stood at Rs. 32,44,429-3-7, *vide* Appendix No. 8 of the Chief Accountant's Report for 1901-02. This sum, *plus* the gross receipts of the year, gives Rs. 1,14,20,117-4-10 against the gross disbursements of Rs. 84,53,398-1-8, leaving a closing balance of Rs. 29,66,719-3-2.

11. The following list shows the amounts sanctioned by the Municipal Commissioner to be paid out of Discretional Contingencies Grant during 1902-03.

LIST showing the amounts paid out of the Discretional Contingencies Grant during 1902-1903 :—

Particulars.	Amount.	Total.
	Rs. a. p.	Rs. a. p.
1. Cost of a new Corporation Banner required for the Exhibition of Indian Art Manufactures at Delhi	266 2 0	
2. Cost of a copy of "Oriental Drainage" by Mr. C. C. James	12 8 0	
3. Cost of boquets and garlands supplied by the Superintendent, Victoria Gardens, on the occasion of their Royal Highnesses the Duke and Duchess of Connaught's arrival in Bombay	30 0 0	
		308 10 0
4. Repairing a gauze-wire screen belonging to the Police	49 0 11	
5. Cost of making a teakwood rack in the Commissioner's Office	80 0 7	
6. Providing and fixing curtains, shutters, moveable screens, &c., in different parts of the Municipal Office Buildings	1,023 3 6	
7. Cost of purchasing Encyclopædia Britannica	171 0 0	
8. Cost of survey fee of Peon's navy serge and drill coats and trousers ...	25 0 0	
9. Cost of stationery, &c., supplied by the B. B. & C. I. Railway Co. to Mr. Wheeler in connection with his work of verification of Municipal Stores	1 15 0	
10. Cost of one Rotary Neostyle for the use of the Municipal Commissioner's Office	150 0 0	
11. Cost of clothing supplied to the Peon attached to the Municipal Medical Examiner	17 8 0	
		1,517 12 0
12. Cost of providing and fixing canvas curtains to the east window	.....	507 5 9
13. Cost of survey sheets purchased from the City Improvement Trust ...	59 8 0	
14. Cost of one Welsback Patent Incandescent Lamp from Messrs. Mahler & Co. for the use of the Fire Brigade	120 0 0	
15. Cost of providing a sluice valve to let off the filthy water of pond in the Victoria Gardens...	160 8 2	
16. Cost of Municipal staff employed on extricating bodies of persons overwhelmed in the débris of fallen houses	59 15 11	
17. Cost of purchasing seeds and plants for the Victoria Gardens	300 0 0	
18. Cost of constructing an earthen ramp at the Clerk Road storm-water Reservoir for training horses	78 15 10	
19. Cost of travelling and bhatta allowances to Mr. Doctor for going to Jeypore	128 12 0	
		907 1 11
20. Cost of pay of a Draftsman and Estimator for the preparation of plans and estimates for the construction of Workshops on the Foras Road site	300 0 0	
21. Cost of pump purchased from Messrs. Marshall Sons & Co....	310 0 0	
22. Cost of a report on Bacilite process	879 10 0	
23. Expenses incurred by the Inspector of Stores on account of labour charges for weighing and stacking Municipal Stores at Paltan Road during July 1902...	32 8 0	
24. Cost of providing curtains to the Special Drainage Engineer's Office ...	94 14 0	
25. Cost of purchasing new stores, forms and books	400 0 0	
		2,017 0 0
26. Reward to a labourer for handing over a gold chain found by him while cleaning the Nawab Tank	.....	5 0 0
27. Prizes to be given to the labourers of the Health Department as an incentive to take care of the cattle...	300 0 0	
28. Cost of blinds to be fixed to the windows of the house in Kamatipura, 7th Street...	153 0 3	
29. Cost of purchasing books and periodicals for the Library of the Health Department	52 8 0	
30. Cost of relieving distress of people suffering from starvation	5 0 0	
31. Cost of expenses incurred in giving nourishment to two destitute women during confinement	6 0 0	
32. Cost of two Union Jack Flags	90 0 0	
33. Cost of providing 3 gallon Shank pattern flushing tank with storage tank at Grant House, Paltan Road...	309 0 6	
		915 8 9
		6,178 6 5
Deduct.—		
34. Cost of new stores, forms and books supplied to the different Departments of the Municipality which was paid in the first instance by debit to Discretional Contingencies subsequently adjusted by debit to the grants allotted to the respective Departments, *vide* credit vouchers Nos. 2?834, dated 23rd March 1903, 24078, dated 25th March 1903, 24346, dated 30th March 1903, Journal vouchers Nos. 62,976 and 1009-10, dated 31st March 1903	400 0 0	
35. Cost of one 4" Invincible centrifugal pump purchased for the Municipal Workshops by debit to Discretional Contingencis pending the Corporation's sanction to the expenditure being met from Workshops profit. The necessary sanction having been accorded under Corporation Resolution No. 13900 of 1902-03, the amount was adjusted by debit to Workshops, *vide* credit voucher No. 24448, dated 31st March 1903 ...	310 0 0	
		710 0 0
Total Rs. ...		5,468 6 5

12. The total expenditure on account of Plague incurred during the year under review amounted to Rs. 2,31,391-1-8. This sum, *plus* the sum of Rs. 20,71,354-6-7 which has been carried to a Suspense Account head, aggregates Rs. 23,02,745-8-3, subject to future adjustment.

Municipal Officers	Rs.	40,481	1 11
Plague Officers	„	320	0 0
	Rs.	4,801	1 11

13. The amount of permanent advances made to Municipal Officers to meet Contingent Expenditure, also the sums which have been carried to this head, pending adjustment, amounted on 31st March 1903 to Rs. 40,801-1-11 against Rs. 30,387-3-7 on the same date in the previous year.

14. The value of stock on hand from the accounts rendered to the Chief Accountant's Office, was as under :—

Executive Offices.	1901-02.	1902-03.
	Rs. a. p.	Rs. a. p.
Executive Engineer	6,854 14 6	3,372 1 1
Drainage „	3,01,736 4 3	2,64,568 5 10
Water „	3,77,211 15 1	3,87,836 13 6
General Stock	21,882 12 3	21,434 11 9
Parel Stores, Plague	2,910 11 1	16,941 15 0
Total Rs. ...	7,10,596 9 2	6,94,153 15 2

15. The sums outstanding on the 31st March 1903 under the heads mentioned below were as follows :—

Departmental Works	Rs.	2,278 5 4
Private Works...	„	70,575 5 2
Workshops	„	5,878 12 0
	Rs. ...	78,732 6 6

16. The amount standing to the debit of the Personal Account of Municipal Contractors on account of supplies made and services rendered to them amounted to Rs. 51,026-15-0.

17. *Scrutiny of Collections and of Outstanding Bills of Rates and Taxes for the year 1902-03 and of previous years.*

Collections.—During the year there were issued by the Assessor and Collector 91,929 net demand Assessment Bills for Property and Wheel Tax of the value of Rs. 48,23,885-11-4, and 2,880 bills for Meter Hire for the same year of the value of Rs. 18,914-4-8.

The following figures give the particulars of the bills and collections :—

		Rs. a. p.	Rs. a. p.
91,224	bills for Property and Wheel Tax were issued for 1902-03 of the value of	.....	47,96,490 8 9
2,880	bills for meter hire for 1902-03	.....	18,914 4 8
598	bills for the year 1901-02	24,405 5 5	
99	„ „ 1900-01	2,847 7 8	
6	„ „ 1899-00	133 8 3	
2	„ „ 1898-99	8 13 3	
705			27,395 2 7
94,809	Total number of bills for 1902-03	.....	48,42,800 0 0
	Add—Government and Port Trust Contributions	3,31,640 12 0	
	Outstandings on 31st March 1902	2,49,761 14 7	
			5,81,402 10 7
	Total amount to be collected in 1902-03	.....	54,24,202 10 7
	Less—Collection made by the Assessor and Collector	48,52,414 0 2	
	Paid by Government and Port Trust	3,31,640 12 0	
			51,84,054 12 2
			2,40,147 14 5
	Deduct—Amount of bills recalled, amended, and cancelled for all years from 1894-95 to 1901-02		40,172 7 11
	Total outstanding on 31st March 1903		1,99,975 6 6

A. THOMSON,
S. D. GUPTE, } *Municipal Auditors.*

BOMBAY, 10*th July* 1903.

BOMBAY, 2*nd July* 1903.

To

THE MUNICIPAL SECRETARY,
BOMBAY.

SIR,

In accordance with Section 137 of the Bombay Municipal Act of 1888, we have the honour to forward the accompanying three Appendices, marked A, B, and C, containing the result of the scrutiny of the outstanding bills of Rates and Taxes which were in the hands of Ward Clerks and in the Office of the Assessor and Collector on the 31st March 1903.

2. These Appendices form part of the Annual Report on the Municipal Accounts for the year 1902-03 now under preparation.

We have the honour to be,

Sir,

Your most obedient Servants,

A. THOMSON,
S. D. GUPTE, } *Municipal Auditors.*

Appendix A.

STATEMENT OF OUTSTANDING BILLS OF RATES AND TAXES in the hands of WARD CLERKS and in the Office of the ASSESSOR AND COLLECTOR on the 31st March 1903.

Ward.	No. of Bills.	Amount. On Value. General Tax.	Water Tax.	Halalkhor Tax.	Total.	Compounded or Special. Compound Water Service.	Special Halalkhor Service.	Water charged by meter.	Tax on vehicles and animals.	Meter Hire.	Grand Total.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A	1,582	40,899 9 1	10,881 7 11	11,873 14 10	63,654 15 10	424 6 0	5,390 8 8	10,626 10 2	3,194 2 0	1,156 11 4	84,447 6 0
B	307	6,783 2 4	1,865 10 8	1,974 13 11	10,623 10 11	16 8 9	61 15 2	673 11 8	545 2 0	50 14 3	11,971 14 9
C	732	14,120 11 1	5,015 8 10	4,259 15 0	23,396 2 11	66 0 7	65 11 4	906 10 3	1,016 12 0	124 5 0	25,575 10 1
D	791	13,680 12 10	2,908 5 5	3,964 11 10	20,553 14 1	32 0 0	207 10 8	2,933 12 3	2,171 6 0	381 13 10	26,280 8 10
E	362	2,654 10 10	831 12 9	831 15 7	4,318 7 2	233 7 3	303 14 10	1,097 0 0	2,153 15 0	139 8 11	8,246 5 2
F	297	2,661 6 5	530 0 10	756 6 5	3,947 13 8	25 6 5	31 0 6	2,519 0 11	217 8 0	51 9 2	6,792 6 8
G	539	2,275 0 5	675 7 2	896 5 1	3,846 12 8	26 6 9	.....	858 0 3	99 11 0	34 5 0	4,865 3 8
Total...	4,610	83,075 5 0	22,708 5 7	24,558 2 3	1,30,341 13 3	824 3 9	6,060 13 2	19,614 13 6	9,398 8 0	1,939 3 6	1,68,179 7 2

A. THOMSON, S. D. GUPTE, } *Municipal Auditors.*

BOMBAY, *2nd July* 1903.

Appendix B.

STATEMENT OF OUTSTANDING BILLS OF RATES AND TAXES in arrears for the year 1901-1902 and previous years in the hands of the WARD CLERKS and in the Office of the ASSESSOR AND COLLECTOR on 31st March 1903.

Ward.	No. of Bills.	Amount. On Value. General Tax.	Water Tax.	Halalkhor Tax.	Total.	Compounded or Special. Compound Water Service.	Special Halalkhor Service.	Water charged by Meter.	Tax on Vehicles and Animals.	Grand Total.
FOR THE YEAR 1901-1902.										
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A	224	6,084 8 10	1,206 8 2	1,544 1 4	8,835 2 4	13 4 8	1,319 1 5	2,244 7 6	384 6 0	12,796 5 11
B	39	427 10 1	128 15 6	119 6 1	675 15 8	.....	87 9 6	785 0 7	44 4 0	1,592 13 9
C	78	1,811 13 11	679 4 2	653 13 8	3,144 15 9	10 0 0	43 12 10	216 10 7	158 1 0	3,573 8 2
D	78	1,156 4 7	452 15 3	341 11 4	1,950 15 2	5 0 0	127 12 2	332 13 0	159 0 0	2,575 8 4
E	73	425 15 11	121 0 1	119 4 7	666 4 7	61 2 0	593 11 6	84 12 0	150 0 0	1,555 14 1
F	3	3 10 10	1 6 6	3 0 0	8 1 4	.....	.....	.....	4 0 0	12 1 4
G	19	83 3 5	24 1 11	31 3 1	138 8 5	.....	.....	17 6 10	.....	155 15 3
Total...	514	9,993 3 7	2,614 3 7	2,812 8 1	15,419 15 3	89 6 8	2,171 15 5	3,681 2 6	899 11 0	22,262 2 10
FOR THE YEAR 1900-1901.										
A	32	1,603 9 0	16 12 10	385 9 3	2,005 15 1	.....	784 11 11	378 15 11	6 0 0	3,175 10 11
B	3	31 3 1	8 9 8	6 7 2	46 3 11	.....	.....	.....	.....	46 3 11
C	28	1,335 14 10	350 1 6	442 9 4	2,128 9 8	5 0 0	.....	129 2 5	.....	2,262 12 1
D	10	79 15 11	25 1 10	22 10 1	127 11 10	.....	.....	110 13 0	.....	238 8 10
E	47	375 0 5	122 0 6	88 9 4	585 10 3	.....	919 12 9	.....	11 0 0	1,516 7 6
F	...	.....	.....	.....	.....	.....	.....	.....	.....	.....
G	2	24 6 0	7 9 7	5 11 3	37 10 10	.....	.....	.....	.....	37 10 10
Total...	122	3,450 1 3	530 3 11	951 8 5	4,931 13 7	5 0 0	1,704 8 8	618 15 4	17 0 0	7,277 5 7
FOR THE YEAR 1899-1900.										
A	1	759 6 0	.....	182 4 0	941 10 0	.....	.....	.....	.....	941 10 0
B	2	26 14 0	8 9 8	6 7 2	41 14 10	.....	.....	.....	.....	41 14 10
C	3	53 6 0	12 1 7	9 1 3	74 8 10	.....	.....	.....	.....	74 8 10
E	11	70 5 0	21 1 10	11 8 10	102 15 8	.....	.....	13 14 0	30 0 0	146 13 8
Total...	17	9 9 15 0	41 13 1	209 5 5	1,161 1 4	.....	.....	13 14 0	30 0 0	1,204 15 4
Carried over...	653	14,353 3 10	3,186 4 7	3,973 5 9	21,512 14 2	94 6 8	3,876 8 1	4,313 15 10	946 11 0	30,744 7 9

Appendix B—*concluded.*

Ward.	No. of Bills.	Amount. On Value. General Tax.	Water Tax.	Halalkhor Tax.	Total.	Compounded or Special. Compound Water Service.	Special Halalkhor Service.	Water charged by Meter.	Tax on Vehicles and Animals.	Grand Total.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought over...	653	14,353 3 10	3,186 4 7	3,973 5 9	21,512 14 2	94 6 8	3,876 8 1	4,313 15 10	946 11 0	30,744 7 9
FOR THE YEAR 1898-99.										
B	2	20 6 10	8 9 8	6 7 2	35 7 8	.....	.....	.....	.....	35 7 8
E	6	523 3 4	170 4 11	159 13 3	853 5 6	.....	.....	.....	.....	853 5 6
Total...	8	543 10 2	178 14 7	166 4 5	888 13 2	.....	.....	.....	.....	888 13 2
FOR THE YEAR 1897-98.										
B	2	18 4 4	8 9 8	6 7 2	33 5 2	.....	.....	.....	.....	33 5 2
Total...	2	18 4 4	8 9 8	6 7 2	33 5 2	.....	.....	.....	.....	33 5 2
FOR THE YEAR 1896-97.										
B	2	18 4 4	8 9 8	6 7 2	33 5 2	.....	.....	.....	.....	33 5 2
Total...	2	18 4 4	8 9 8	6 7 2	33 5 2	.....	.....	.....	.....	33 5 2
FOR THE YEAR 1895-96.										
B	2	18 4 4	8 9 8	6 7 2	33 5 2	.....	.....	.....	.....	33 5 2
Total...	2	18 4 4	8 9 8	6 7 2	33 5 2	.....	.....	.....	.....	33 5 2
FOR THE YEAR 1894-95.										
B	2	18 4 4	8 9 8	6 7 2	33 5 2	.....	.....	.....	.....	33 5 2
Total...	2	18 4 4	8 9 8	6 7 2	33 5 2	.....	.....	.....	.....	33 5 2
FOR THE YEAR 1893-94.										
B	2	16 1 6	7 9 4	5 10 11	29 5 9	.....	.....	.....	.....	29 5 9
Total...	2	16 1 6	7 9 4	5 10 11	29 5 9	.....	.....	.....	.....	29 5 9
GRAND TOTAL...	671	14,986 0 10	3,407 3 2	4,171 1 9	22,564 5 9	94 6 8	3,876 8 1	4,313 15 10	946 11 0	31,795 15 4

A. THOMSON,
S. D. GUPTE, } *Municipal Auditors.*

BOMBAY, *2nd July* 1903.

Appendix C.

SUMMARY OF APPENDICES **A** and **B.**

Years.	Appendix A. No. of Bills.	Appendix A. Amount.	Appendix B. No. of Bills.	Appendix B. Amount.	Grand Total. No. of Bills.	Grand Total. Amount.
		Rs. a. p.		Rs. a. p.		Rs. a. p.
1902-1903	4,610	1,68,179 7 2	.....	.....	4,610	1,68,179 7 2
1901-1902	.....	.....	514	22,265 2 10	514	22,265 2 10
1900-1901	.....	.....	122	7,277 5 7	122	7,277 5 7
1899-1900	.....	.....	17	1,204 15 4	17	1,204 15 4
1898-1899	.....	.....	8	888 13 2	8	888 13 2
1897-1898	.....	.....	2	33 5 2	2	33 5 2
1896-1897	.....	.....	2	33 5 2	2	33 5 2
1895-1896	.....	.....	2	33 5 2	2	33 5 2
1894-1895	.....	.....	2	33 5 2	2	33 5 2
1893-1894	.....	.....	2	29 5 9	2	29 5 9
Total ...	4,610	1,68,179 7 2	671	31,795 15 4	5,281	* 1,99,975 6 6

* Outstanding amount on the same date last year was Rs. 2,49,761-14-7.

A. THOMSON,
S. D. GUPTE, } *Municipal Auditors.*

BOMBAY, *2nd July* 1903.

BOMBAY, 23*rd June* 1903.

To

M. N. WADIA, ESQ.,
Municipal Secretary,
BOMBAY.

SIR,

We have the honour to forward herewith our report on the Accounts of the Joint Schools Committee for the year 1902-03.

We have the honour to be,
Sir,
Your obedient Servants,

A. THOMSON,
S. D. GUPTE,
Municipal Auditors.

REPORT ON THE ACCOUNTS OF THE JOINT SCHOOLS COMMITTEE.

In accordance with Bye-law No. 15 of the Joint Schools Committee, we beg to report that we have audited the accounts and examined all the vouchers and papers relating to the receipts and disbursements of the School Fund in charge of the Joint Schools Committee from 1st April 1902 to 31st March 1903.

The opening balance of the Income and Expenditure Account on 1st April 1902 was Rs. 53,753-15-1.

The total receipts of the Joint Schools Committee for the year 1902-03 amounted to Rs. 1,42,542-5-6, against Rs. 1,40,721-2-0 in 1901-02, being Rs. 1,821-3-6 more than those of the previous year.

The total expenditure incurred in the year was Rs. 1,55,680-2-6 against Rs. 1,49,298-3-2 in 1901-02, being Rs. 6,381-15-4 in excess of the previous year. The increase in expenditure appears to have been due to higher rents paid for school accommodation, to the appointment of an Inspectress, and purchase of new furniture.

The difference between income and expenditure was Rs. 13,137-13-0, *i.e.*, the latter exceeded the former by the sum mentioned. This appears to be the second year in which the expenditure has been allowed to exceed the income.

The credit balance of the Income and Expenditure Account on 31st March 1903 was Rs. 40,616-2-1 against Rs. 53,753-15-1 on the corresponding date of the previous year.

The funds at the disposal of, or belonging to, the Joint Schools Committee on 31st March 1903 were as under :—

	Rs. a. p.	Rs. a. p.
Government, &c., paper with the Bank of Bombay on account of S. S. Bengalee School Building and various Prize Fund Deposits		27,000 0 0
Government, &c., paper with the Bank of Bombay on account of investment of Surplus Cash Balance (the cost price is Rs. 39,674-6-0)		38,000 0 0
Cash Balance—		
In Bank of Bombay...	8,609 15 4	
In Office Treasury	1 0 0	
		8,610 15 4
Total ... Rs.		73,610 15 4

The accounts have been carefully kept.

A. THOMSON,
S. D. GUPTE,
Municipal Auditors.

BOMBAY, 23*rd June* 1903.

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